错误列表

［控制器软件：Ver.1.08.*］

错误编码的参照方法

由于错误编码 8 位数中的前 2 位数如下所示变化，因此通过错误列表检索错误编码时，仅检索后 6 位数即可。

错误编码体系(a/b/cccccc)

a[开头第 1 位数]	用于多台机器人控制时的机器人识别。 本说明书中登载的错误列表仅显示 8 时的错误编码。 8：未执行主局机器人或多台机器人控制时 9：第 1 台子局机器人 A：第 2 台子局机器人 B：第 3 台子局机器人
b[开头第 2 位数]	显示错误等级 0～5 的等级。 通常任务和特权任务时，即使错误相同，错误等级也可能不同。 本说明书中登载的错误列表在通常任务时显示。
c[开头第 3 位数以后]	显示错误内容。

（例）错误编码[8150006B]时

8：机器人为主局机器人

1：错误等级为等级 1

50006B：错误内容为[程序编辑中，无法执行。]

错误等级

机器人控制器中发生的错误设定为以下 6 个错误等级。机器人控制器的控制因错误等级而不同。

错误等级	错误概要	机器人动作	通常任务	电机电源	I/O
错误等级 0	轻微的注意错误	不影响	不影响	维持	无
错误等级 1	可进行程序处理的轻微错误	暂时停止	所有任务暂时停止状态	维持	警告输出
错误等级 2	机器人警告错误	暂时停止	所有任务暂时停止状态	维持	警告输出
错误等级 3	机器人异常错误	完全停止	所有任务初始化停止	OFF	异常输出
错误等级 4	紧急停止错误	完全停止（紧急停止）	所有任务初始化停止	OFF	异常输出
错误等级 5	致命的错误	完全停止（紧急停止）	所有任务初始化停止	OFF	异常输出

关于 RC7 编码

RC7 codes listed on the error code list show codes which are used when outputting an error number by a dedicated I/O.

On the status area of the system output, an RC7 Code will be displayed.

An empty cell is convert to "230*"("*" shows error level) when output.

错误[81608FFF]

该错误为执行使用插件的程序时的错误，表示机器人控制器上未规定的错误编码。

关于详细内容，请参照插件指南的“插件错误的确认方法”。

将错误编码输出至 I/O 的方法

输出时机	输出对象	输出领域和输出形式
通过执行 IO 指令的“错误读出(0100)”，输出错误编码。	RC7 编码（16 位输出）	错误列码表中的[RC7 编码]输出至专用输出的状态领域。 另外，[RC7 编码]的空白位置通过“230*（*为错误等级）”的编码输出。
	RC9 编码（32 位输出）	错误列码表中的[编码]输出至设定的通用输出领域。

使用 RC9 编码（32 位输出）时，需要预先设定输出领域。

关于详细内容，请参照智能 TP 操作指南的“I/O 参数的显示、变更”的[32 位错误编号输出 IONo]。

错码	RC7编码	信息	等级	说明	恢复处理
80800001		未找到操作盘的主页(Main.pns)。	0	The main page (Main.pcs) necessary for TP panel display is not found.	Send main page from WINCAPS3.
85800010		多功能教导器通信软件启动失败。	5	Catastrophic failure occurred during TP communication software startup.	Reboot robot controller and motor driver power supply. If the error still occurs, contact DENSO WAVE service.
85800011		多功能教导器的初始化失败。	5	Catastrophic failure occurred during TP software startup.	Restart robot controller and motor driver power supply. If the error still occurs, contact DENSO WAVE service.
82800012		3DView 的初始化失败。	2	Failed to initialize 3D display function. 3D function is disabled.	Confirm whether the hardware is compatible with 3D display function. Use 3D-compatible hardware and restart robot controller.
85800013		无有效的许可证。	5	No valid license.	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
85800014		应用程序的初始化失败。	5	Failed to initialize application.	请再次起动控制器。不能复位时，请联系本公司服务部门。
85800015		CaoEngine 的生成失败。	5	Failed to create CaoEngine.	请再次起动控制器。不能复位时，请联系本公司服务部门。
85800016		与 VRC 的连接失败。	5	Failed to connect VRC.	请再次起动控制器。不能复位时，请联系本公司服务部门。
85800017		控制器的初始化失败	5	Failed to initialize controller.	请再次起动控制器。不能复位时，请联系本公司服务部门。
85800018		语言 DLL 读取失败。	5	Failed to load language DLL.	请再次起动控制器。不能复位时，请联系本公司服务部门。
85800019		DLL 读取失败。	5	Failed to load DLL.	请再次起动控制器。不能复位时，请联系本公司服务部门。
8080001A		Failed to initialize screen saver.	0	Failed to initialize screen saver.	请再次起动控制器。不能复位时，请联系本公司服务部门。
81800100		Impossible to display MsgBox without Teach Pendant.	1	MsgBox is displayed only in the Teach pendant.	Connect TeachPendant.
81800101		Impossible to display MsgBox while TP is disconnected.	1	Impossible to display MsgBox when TP is disconnected.	Connect TeachPendant.

错码	RC7 编码	信息	等级	说明	恢复处理
81800102		The maximum number that can be displayed in MsgBox is exceeded.	1	Exceeded the number of displayable MsgBoxes at one time.	Reduce the number to display the MsgBox.
81800103		MsgBox source task execution has not been started.	1	Impossible to display MsgBox when the source task is not running.	Start the task where MsgBox runs.
81800104		Impossible to display MsgBox without RemoteTP or VirtualTP.	1	MsgBox is displayed only in RemoteTP or VirtualTP.	Use of RemoteTP or VirtualTP is necessary.
81800200		Failed to connect DENSO Robot Imaging Library.	1	Failed to connect DENSO Robot Imaging Library.	
80800201		An error occurred during the execution of the Software Trigger.	0	An error occurred during the execution of the Software Trigger.	
80800202		An error occurred during the execution of the Image Refresh.	0	An error occurred during the execution of the Image Refresh.	
81800203		Failed to initialize DENSO Robot Imaging Library.	1	Failed to initialize DENSO Robot Imaging Library.	
80800204		An error occurred in the preservation of the built-in visual data.	0	An error occurred in the preservation of the built-in visual data.	
85800205		Failed to connect to Teach pendant normally.	5	多功能教导器与机器人控制器的通信发生异常。 可以考虑以下原因。 1.多功能教导器电缆破损、短路、接触不良。 2. 多功能教导器的故障。	请确认以下事项、重新连接多功能教导器后再重启。 不能复位时，请联系本公司服务部门。 1. 多功能教导器的连接电缆没有损伤、短路，是正常安装。 2. 多功能教导器上没有破损和损伤。
83800206		Failed to connect to Teach pendant normally. (2)	3	多功能教导器与机器人控制器的通信发生异常。 可以考虑以下原因。 1.多功能教导器电缆破损、短路、接触不良。 2. 多功能教导器的故障。	请确认以下事项、重新连接多功能教导器后再重启。 不能复位时，请联系本公司服务部门。 1. 多功能教导器的连接电缆没有损伤、短路，是正常安装。 2. 多功能教导器上没有破损和损伤。
85800300		Failed to set mode.	5	Failed to change set mode.	
83600001		未发现已开始执行的程序。	3	未发现启动任务时第一个调用的 Sub Main。	请修改程序，并创建 Sub Main 程序。
83600002		程序名非法。	3	未找到指定程序名称。	请修改程序，并指定已存在的程序名。

错码	RC7 编码	信息	等级	说明	恢复处理
83600003		程序的自变量非法。	3	程序的自变量有误。	请修改自变量的数量和类型，并指定符合定义的自变量。
83600004		自变量的数量不一致。	3	函数或程序的自变量的数量不符。	请修改程序，并指定正确的自变量个数。
83600005		不能调用具有 ByRef 属性自变量的程序。	3	调用处的数值可能并不确定，因此无法以 ByRef 属性完成传值调用。	请将自变量属性从 ByRef 变更为 ByVal，并使用全局变量进行传值。
80600006		执行开始行非法。	0	指定的行有误。	请修改程序，并指定可执行的行。
81600007		自变量非法。	1	指定的自变量有误。	请修改自变量的数量和类型，并指定符合规格的自变量。
81600008		自变量不足。	1	函数或程序调用所需自变量的数量不够。	请修改程序，并指定正确的自变量个数。
81600009		自变量过多	1	指定了超出函数或程序调用所需数量的自变量数量。	请修改程序，并指定正确的自变量个数。
8160000A		第 1 自变量非法。	1	第 1 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
8160000B		第 2 自变量非法。	1	第 2 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
8160000C		第 3 自变量非法。	1	第 3 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
8160000D		第 4 自变量非法。	1	被指定为第 4 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
8160000E		第 5 自变量非法。	1	第 5 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
8160000F		第 6 自变量非法。	1	第 6 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
81600010		第 7 自变量非法。	1	第 7 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
81600011		第 8 自变量非法。	1	第 8 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
81600012		第 9 自变量非法。	1	第 9 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。

错码	RC7 编码	信息	等级	说明	恢复处理
81600013		第 10 自变量非法。	1	第 10 自变量的数值或变量有误。	请修改数值的范围和类型，并指定符合规格的自变量。
83600014	2003	数值超出范围。	3	自变量的值不在可获取的范围内。	请修改程序，将自变量变更为可以取得的值。
83600015		Fig 值超出范围。	3	Fig 的值不在可获取的范围内。	请修改程序，将 Fig 变更为可以取得的值。
83600016		不能启动任务。	3	处于无法执行指定任务的状态或者尚未生成。	请修改指定任务的程序，并保存使其处于可单独执行的状态。
80600017		不能设定的行。	0	指定了无法设置的行。	请修改指定行。
83600018		内部错误:访问变量失败。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
81600019		已达到可创建对象的上限值。	1	达到上限值，无法新建。	请限制同时创建的对象数量。
8160001A		因处于错误状态，无法执行。	1	排斥对象处于错误状态。	请排除在执行排他处理中发生错误的任务的报错原因。或通过 ResetMutex 语句复位错误。
8160001B		非法 ID。	1	未找到对应指定 ID 的对象	请修改并指定正确的 ID。
8360001C		Stack overflowed.	3	The stack size reached the maximum.	Revise the loop process. If it runs as you planned, increase the VM stack size.
8360001D		Stack underflowed.	3	Stack count went below zero.	Revise the loop process. If it runs as you planned, increase the VM stack size.
8360001E		Pass start displacement distance is out of range.	3	Pass start displacement distance is out of range.	Revise the program so that the Pass start displacement distance will be within the available range.
8160001F		Program stopped during provider running.	1	Program stopped during provider running due to stop processing. (Emergency-stop, Error occurred, mode switching, Protective-stop, Enable-auto Signal, etc.)	Start the program again.
83600020		Robot 值超出范围。	3	Fig 的值不在可获取的范围内。	请修改程序，将 Fig 变更为可以取得的值。
81600021		已达到可创建对象的上限值。	1	达到上限值，无法新建。	请限制同时创建的对象数量。
81600022		非法 ID。	1	未找到对应指定 ID 的对象	请修改并指定正确的 ID。
81600023		已达到可创建对象的上限值。	1	达到上限值，无法新建。	请限制同时创建的对象数量。
80600024		Specified Hand number is not effective.	0	Hand number is invalid.	Revise the program or validate the hand number.

错码	RC7编码	信息	等级	说明	恢复处理
83601001		未发现对应 * If 的 End If。	3	可能因 If <条件> Then 语句后未出现应有的 End If 语句，无法正确定义。	请修改从 If <条件> Then 到 End If 的对应情况，修改为符合规格的语句。
83601002		未发现对应 * ElseIf 的 End If。	3	可能因 ElseIf <条件> Then 语句后未出现应有的 End If 语句，无法正确定义。	请修改从 ElseIf <条件> Then 到 End If 的对应情况，修改为符合规格的语句。
83601003		未发现对应 * Else 的 End If。	3	可能因 Else 语句后未出现应有的 End If 语句，出现错误。	请修改从 Else 到 End If 的对应情况，并修改为符合规格的语句。
83601004		未发现对应 * For 的 Next。	3	可能因 For 语句后未出现应有的 Next 语句，出现错误。	请修改从 For 到 Next 的对应情况，并修改为符合规格的语句。
83601005		未发现对应 * While 的 Wend。	3	可能因 While 语句后未出现应有的 Wend 语句，出现错误。	请修改从 While 到 Wend 的对应情况，并修改为符合规格的语句。
83601006		未发现对应 * Do 的 Loop。	3	可能因 Do 语句后未出现应有的 Loop 语句，出现错误。	请修改从 Do 到 Loop 的对应情况，并修改为符合规格的语句。
83601007		未发现对应 * Select 的 End Select。	3	可能因 Select 语句后未出现应有的 End Select 语句，出现错误。	请修改从 Select Case 到 End Select 的对应情况，并修改为符合规格的语句。
83601008		指定异于 * 程序 * 类型的自变量。	3	传递至函数或程序的自变量类型与定义不匹配。	请确认函数或程序的定义，指定符合定义的自变量类型。
83601009		无法登录 * 程序表。	3	由于内存不足无法分配新的存储域。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360100A		必须使用常量指定 * 自变量 * 的排列索引。	3	排列定义的索引有误。	请使用常量定义排列的索引。
8360100B		* 自变量 * 已定义。	3	自变量定义被指定相同名称。	请避免使用重复名称定义自变量。
8360100C		* 程序 * 已定义。	3	与现有程序名重复，因此无法定义。	请确认程序的定义，避免使用重复的名称。
8360100D		请使用常量指定 * 排列索引。	3	排列定义的索引有误。	请使用常量定义排列的索引。
8360100E		无法用负值指定 * 排列索引。	3	排列定义的索引有误。	请修改排列的定义，保证索引使用 0 以上的数值。
8360100F		* 变量 * 已登录。	3	变量的重复定义。	请确认变量定义，避免使用重复的名称。
83601010		* 标签 * 已定义。	3	标签的重复定义。	请确认标签定义，避免使用重复的名称。
83601011		* 标签 * 未定义。	3	未找到指定标签。	请修改程序，并定义指定的标签。

错码	RC7 编码	信息	等级	说明	恢复处理
83601012		请使用常量指定 ＊ defio 的起始编号。	3	Defio 定义的 I/O 起始编号指定有误。	请确认 Defio 定义，并使用常量指定 I/O 起始编号。
83601013		请使用常量指定 ＊ 掩码值。	3	Defio 定义的 I/O 起掩码值指定有误。	请确认 Defio 定义，并使用常量指定掩码值。
83601014		＊ 变量 ＊ 的定义有误。	3	变量定义采用了规格中没有的句法。	请修改变量定义，修改为符合规格的语句。
83601015		＊ 变量 ＊ 的初始值非法。	3	变量定义的初始值指定有误。	请修改变量定义，并指定符合变量类型的常量值。
83601016		＊ 排列 ＊ 无法指定初始值。	3	排列定义有误。	请删除对排列定义的初始值的指定，使用代入编码初始化排列。
83601017		无法使用 ＊ 保留字(＊)。	3	所使用的名称属于保留字。	请使用区别于保留字的名称。
83601018		＊ 语法错误。＊	3	使用了无法识别的句法。	请修改报错行的语法，修改为符合语言规格的语句。
83601019		＊ 参数 ＊ 的值超出范围。	3	指定的参数数值有误。	请修改参数，并指定有效范围内的值。
8360101A		＊ 文件大小超出允许范围。	3	文件过大。	请通过分割程序确保单个文件的大小不超出上限。
8360101C		＊ 变量 ＊ 型无法指定 Static 属性。	3	把无法声明静态变量(Static 属性)的类型指定 Static。	请将变量类型变更为 I,F,D,V,P,J,T,S 中的任意类型。
8360101D		＊ 变量 ＊ 在定义前被使用。	3	在定义之前已使用变量。	请在使用前定义变量。
8360101E		无法确保 ＊ Static 变量。	3	已无法进行 Static 变量的内存分配。	请删除无用的全局变量及其他静态变量。
83601020		The initial value assignment of the array is incorrect.	3	Can't specify arrays that have more than two dimensions as initial values at the declaration.	Initialize the value of two or more dimensions array by an executable code.
83601021		The number of elements of the initial values of the array is incorrect.	3	Too many elements of the initial values.	Confirm the number of elements or the initial values of the array.
83601022		The initial value assignment of the variable is incorrect.	3	Can't specify an array in the initial value. This variable is not the array.	Confirm the format of the initial value.
83601023		＊ Type name(＊) is invalid.	3	Invalid type is assigned in the variable declaration.	Confirm the format of the variable type.
83601025		＊ Robot＊ is not specified.	3	Robot is not specified.	Specify a robot.
83601FFB		内部错误:发生编译错误。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83601FFC		内部错误:发生编译错误。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
83601FFD		内部错误:发生编译错误。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83601FFE		内部错误:嵌入式对象登录失败。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83601FFF		内部错误:发生编译错误。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602001		* 字符串之间无法运算。	3	指定的运算符无法适用于字符串。	请修改程序，使用准确的运算符。
83602002		仅支持 * VECTOR, POSITION, TRANS 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602003		仅支持 * POSITION 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602004		仅支持 * POSITION，TRANS 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602005		仅支持 * TRANS 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602006		仅支持 * JOINT 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602007		* 字符串不支持该运算。	3	指定的运算符无法适用于字符串。	请修改程序，使用准确的运算符。
83602008		* 非法运算。	3	已使用无法应用的运算符。	请修改程序，使用准确的运算符。
83602009		* 字符串的内容无法作为式评估。	3	字符串的内容非法。	请将其变更为可通过表达式描述的内容。
8360200A		* 内部错误:运算节点已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360200B		* 变量 * 未定义。	3	未找到指定变量。	请修改程序，完成指定变量的定义。
8360200C		* 程序 * 无法返回值。	3	Sub 程序无法返回值。	请修改程序，如需返回值，将其变更为 Function 程序。
8360200D		* 要素数不一致。	3	原因可能是指定的要素数量有误。	请确认要素数是否符合变量类型(V,P,J,T)的规格。
8360200E		* 内部错误:CElementNode 已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。

错码	RC7编码	信息	等级	说明	恢复处理
8360200F		* 内部错误:CSValueNode 已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602010		为 * 参照型自变量无法指定的格式。	3	已指定无法作为参照 (ByRef)型自变量处理的值或变量。	请修改调用程序时传递的自变量类型及维度数，保证其与定义匹配。
83602011		* 自变量类型不符。	3	自变量的类型有误。	请修改自变量的类型，指定符合定义的类型。
83602012		* 内部错误:参照型自变量仅适用于局部。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602013		* 内部错误:正在使用未定义类型。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602014		* 函数 * 未定义。	3	未找到指定的函数或程序名称。	请修改程序，并指定已存在的程序名。
83602015		无法代入 * 函数 * 。	3	发现不符合语法规则的句法结构。	请修改程序，并修改为符合规格的语句。
83602016		* 对象 * 未定义。	3	指定的对象未找到	请修改程序，完成指定项目变量的定义。
83602017		* 内部错误:非对象已登录对象节点。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602018		* 内部错误:对象函数节点已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83602019		* 内部错误:无法指定机械臂编号。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360201A		* 机械臂编号(ID: *)非法。	3	指定的机械臂编号不适用。	请确认可使用的机械臂编号，并修改为适当的编号。
8360201B		* 内部错误:Arm 对象节点已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360201C		* 自变量数目不符。	3	未指定正确的自变量个数。	请修改规格，并指定所需自变量的部分。
8360201D		* 自变量类型未被允许。	3	使用的值或变量类型不适用。	请修改程序，指定适当类型的值或变量。
8360201E		* 内部错误:函数节点已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360201F		* 内部错误:LBound/UBound 节点已完成 pop。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。

错码	RC7编码	信息	等级	说明	恢复处理
83602020		仅支持 * IO 的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602021		仅支持 * 整数或实数型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83602022		* 排列的维度数非法。	3	已指定无法应用的变量类型。	请修改变量定义，指定适当维度数的排列变量。
83602023		* * 不是排列型。	3	已指定无法应用的变量类型。	请修改变量定义，指定排列型变量。
83602024		* Fig 值超出范围。	3	Fig 的值不在可获取的范围内。	请修改程序，将 Fig 变更为可以取得的值。
83602025		* * 未被定义。	3	未找到指定名称的函数或变量。	请修改程序，完成指定名称解决的处理。
83602026		* 排列的要素数非法。	3	已指定无法应用的变量类型。	请修改变量定义，指定适当要素数的排列变量。
83602027		* Internal error:Popped Hand object node	3	Unexpected operation was executed.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
83602028		* Internal error:Popped Pass node	3	Unexpected operation was executed.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
83602029		* The operation of a vector is illegal	3	To calculate the vector and scalar, specify vector on the left, scalar on the right.	Revise the variable declaration and specify array type variable.
8360202A		* Right-hand side of + operation: typename of the immediate value is not specified.	3	Typename of (element1, element2,...) is not omittable.	Revise the immediate value type's typename that is omitted. Correct the typename.
8360202D		Incorrect syntax. '[' cannot be specified.	3	The specified brackets are incorrect.	Check the available bracket types. Use appropriate brackets.
8360202E		Incorrect syntax. '(' cannot be specified.	3	The specified brackets are incorrect.	Check the available bracket types. Use appropriate brackets.
8360202F		This command is not available in CC8.	3	This command is not available in CC8.	Revise the program.
83603001		* 自变量类型不符。	3	自变量的类型有误。	请修改自变量的类型，指定符合定义的类型。
83603002		* VECTOR,POSITION,TRANS 以外的变量类型无法使用。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603003		* 代入值必须为整数或实数。	3	已指定无法应用的数值。	请将代入值变更为整数或实数。
83603004		* POSITION 以外的变量类型无法使用。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603005		* POSITION,TRANS 以外的变量类型无法使用。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603006		* 轴编号必须为整数或实数。	3	指定的轴编号不适用。	请修改轴的编号，修改为适当的值。

错码	RC7 编码	信息	等级	说明	恢复处理
83603007		* JOINT 以外的变量类型无法使用。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603008		* 代入值必须为 VECTOR 型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603009		* TRANS 以外的变量类型无法使用。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
8360300A		* 字符串型不支持该运算。	3	指定的运算符无法适用于字符串。	请修改程序，使用准确的运算符。
8360300B		* 字符串无法代入。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
8360300C		存在与 * If 语句不对应的 ElseIf 语句。	3	没有 If 语句，或者未能正确定义。	请修改从 If <条件> Then 到 ElseIf 的对应情况，修改为符合规格的语句。
8360300D		存在与 * If 语句不对应的 Else 语句。	3	没有 If 语句，或者未能正确定义。	请修改从 If <条件> Then 到 Else 的对应情况，修改为符合规格的语句。
8360300E		存在与 * If 语句不对应的 End If 语句。	3	没有 If 语句，或者未能正确定义。	请修改从 If <条件> Then 到 End If 的对应情况，修改为符合规格的语句。
8360300F		存在与 * For 语句不对应的 Next 语句。	3	没有 For 语句，或者未能正确定义。	请修改从 For 到 Next 的对应情况，并修改为符合规格的语句。
83603010		* Exit For 位于 For-Next 外。	3	没有 For - Next 语句，或者未能正确定义。	请修改从 For 到 Next 的对应情况，并在其内侧记述 For Exit。
83603011		存在与 * While 语句不对应的 Wend 语句。	3	没有 While 语句，或者未能正确定义。	请修改从 While 到 Wend 的对应情况，并修改为符合规格的语句。
83603012		存在与 * Do 语句不对应的 Loop 语句。	3	没有 Do 语句，或者未能正确定义。	请修改从 Do 到 Loop 的对应情况，并修改为符合规格的语句。
83603013		* Do 语句和 Loop 语句均有条件表达式。	3	Do - Loop 语句的语法有误。	请在 Do 或 Loop 中任一方单独指定条件表达式。
83603014		* Exit 位于 Do-Loop 外。	3	没有 Do - Loop 语句，或未能正确定义。	请修改从 Do 到 Loop 的对应情况，并在其内侧记述 Do Exit。
83603015		存在与 * Select 语句不对应的 Case 语句。	3	没有 Select 语句，或未能正确定义。	请修改从 Select 到 Case 的对应情况，并修改为符合规格的语句。
83603016		* Case 语句的运算符非法。	3	Case 语句不支持使用该运算符。	请修改 Case 语句，并使用准确的运算符。

错码	RC7 编码	信息	等级	说明	恢复处理
83603017		存在与 ＊Select 语句不对应的 Case Else 语句。	3	没有 Select 语句，或未能正确定义。	请修改从 Select 到 Case Else 的对应情况，并修改为符合规格的语句。
83603018		存在与 ＊Select 语句不对应的 End Select 语句。	3	没有 Select 语句，或未能正确定义。	请修改从 Select 到 End Select 的对应情况，并修改为符合规格的语句。
83603019		＊ 语法非法。请使用 Exit Sub。	3	Exit Sub 被误写入 Function – End Function 的语句中。	请修改程序的定义，并修改为适当的 Exit 语句。
8360301A		＊ 语法非法。请使用 Exit Function。	3	Function 被误写入 Sub – End Sub 的语句中。	请修改程序的定义，并修改为适当的 Exit 语句。
8360301B		指定 ＊0 或非标签名。	3	未正确指定 GoTo 语句的转移目的地。	请根据目的指定 GoTo 0 或<标签名称>。
8360301C		＊ 内部错误:无法计算出定义面的三点。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8360301D		无法指定 ＊POSITION 型以外的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
8360301E		＊ 代入值必须为 IO 型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
8360301F		＊ 事件程序的定义是固定的。 必须为 Sub ＊(ByVal Sender As Object, ByVal Args As Variant)。	3	事件程序的定义有误。	请修改事件程序的定义。
83603020		无法指定 ＊VECTOR 型以外的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603021		无法指定 ＊JOINT 型以外的类型。	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
83603022		＊ 自变量非法。	3	指定的自变量有误。	请修改自变量的数量、类型及值的范围，指定适当的自变量。
83603023		＊ 自变量不足。	3	自变量的数值有误。	请修改规格，指定所需数量的自变量。
83603024		＊ 自变量过多。	3	自变量的数值有误。	请修改规格，指定所需数量的自变量。
81603025		＊ 通过起始位移量的指定非法。	1	未正确指定通过起始位移量。	请修改规格，指定适当的通过起始位移量。
81603026		＊ 附加轴选项的指定非法。	1	未正确指定附加轴选项。	请修改规格，指定适当的附加轴选项。
83603027		＊SPEED 选项的自变量过多。	3	自变量的数值有误。	请修改规格，指定所需数量的自变量。

错码	RC7 编码	信息	等级	说明	恢复处理
83603028		* ACCEL 选项的自变量过多。	3	自变量的数值有误。	请修改规格，指定所需数量的自变量。
83603029		* SYNC 选项的自变量过多。	3	自变量的数值有误。	请修改规格，指定所需数量的自变量。
8360302A		* 自变量非法。	3	未正确指定附加轴选项。	请修改规格，指定适当的附加轴选项。
8360302B		* Robot Index is duplicated.	3	指定的自变量有误。	请修改自变量的数量、类型及值的范围，指定适当的自变量。
8360302C		* The Option is incorrect.	3	已指定无法应用的变量类型。	Revise the specification. Enter an appropriate option.
8360302D		* Only IO type is allowed to specify Mode option.	3	已指定无法应用的变量类型。	请修改变量类型，修改为适当类型。
8360302E		* The Mode Option value is out of range.	3	已指定无法应用的变量类型。	Revise the specification and assign an appropriate value.
8360302F		* NEXT Option is incorrect.	3	Invalid Option (NEXT) is specified.	Revise the specification. Enter an appropriate option.
83603030		* Cannot specify target positions consecutively.	3	自变量的数值有误。	Revise the specification. Enter appropriate numebr of arguments.
83603031		* Pass Start Displacement is incorrect.	3	For three or more cooperative motion, you can not specify anything other than @0,@e,@c.	Revise the specification. Enter an appropriate option.
83603032		* Cannot specify PTP motion together with SyncMove option.	3	In the case of use SyncMove option, cannot specify PTP motion.	Revise the specification. Enter an appropriate interpolation method or motion option.
83604FFF		* 语法错误。* 非法。	3	使用了无法识别的句法。	请修改报错行的语法，修改为符合语言规格的语句。
83605001		* 实数超出范围。	3	指定值有误。	请修改规格，指定所需自变量的部分。
83605002		* 整数超出范围。	3	指定值有误。	请修改规格，指定所需自变量的部分。
83605003		* 字符串未关闭。	3	字符串指定的格式不正确。	请修改“从”的对应情况，并修改成一对。
83605004		文件已在 * 字符串中途结束。	3	字符串指定的格式不正确。	请修改“从”的对应情况，并修改成一对。
83605005		无法打开文件(*)。	3	指定的文件可能不存在，无法访问。	请修改文件名，并变更为已有文件名。
83605101		无法打开 * include 文件(*)。	3	指定的文件可能不存在，无法访问。	请修改文件名，并变更为已有文件名。
81605102		定义的 * 宏名超过 64 个字符。	1	指定的宏名超出上限。	请在 64 个字符以内定义宏名称。
83605103		* 宏 * 已定义。	3	宏的重复定义。	请确认宏定义，避免使用重复的名称。
83605104		无法打开 * 导入文件(*)。	3	指定的文件可能不存在，无法访问。	请修改文件名，并变更为已有文件名。
83605105		无法评估 * 宏(*)	3	可能因为指定的宏未定义，预处理器无法评估该定义。	请修改宏定义，并使用常量定义。

错码	RC7 编码	信息	等级	说明	恢复处理
83605106		* 不能除以 0。	3	正在除以 0 值。	请修改宏定义，并修改除 0 运算。
83605109		* Macro * is defined recursively, or too many macro definitions are applied continuously.	3	Macro definition is reentrant or exceeds the upper limit.	Revise the macro definition.
8360510B		* #Elif, #ElseIf has no corresponding #If, #Ifdef, #Ifndef	3	#If, #Ifdef, #Ifndef statement is missing or not properly declared.	Revise the correspondence of "#If, #Ifdef, #Ifndef <condition>" and "#Elif, #Elseif", and correct the grammar of the sentence.
8360510C		* #Else has no corresponding #If, #Ifdef, #Ifndef	3	#If, #Ifdef, #Ifndef statement is missing or not properly declared.	Revise the correspondence of "#If, #Ifdef, #Ifndef <condition>" and "#Else", and correct the grammar of the sentence.
8360510D		* #Endif has no corresponding #If, #Ifdef, #Ifndef	3	#If, #Ifdef, #Ifndef statement is missing or not properly declared.	Revise the correspondence of "#If, #Ifdef, #Ifndef <condition>" and "#Endif", and correct the grammar of the sentence.
8360510E		* Missing #Endif corresponding to #If	3	#Endif statement is missing, or, not declared after #If <condition> statement.	Revise the correspondence of "#If <condition>" and "#Endif".
8360510F		* Missing #Endif corresponding to #Elif, #Elseif	3	#Endif statement is missing, or, not declared after #Elif, #Elseif <condition> statement.	Revise the correspondence of "#Elif, #Elseif <condition>" and "#Endif".
83605110		* Missing #Endif corresponding to #Else	3	#Endif statement is missing, or, not declared after #Else statement.	Revise the correspondence of "#Else" and "#Endif"
83605111		* Missing #Endif corresponding to #Ifdef	3	#Endif statement is missing, or, not declared after #Ifdef <condition> statement.	Revise the correspondence of "#Ifdef <condition>" and "#Endif".
83605112		* Missing #Endif corresponding to #Ifndef	3	#Endif statement is missing, or, not declared after #Ifndef <condition> statement.	Revise the correspondence of "#Ifndef <condition>" and "#Endif".
836051FF		内部错误:发生编译错误。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83605201		* 机械臂编号超出范围。	3	指定的机械臂编号不能使用。	请确认可使用的机械臂编号，并修改为适当的编号。
83605202		* 夹治具编号超出范围。	3	指定的夹治具编号不能使用。	请确认可使用的夹治具编号，并修改为适当的编号。
83605203		* 整数超出范围。	3	指定值有误。	请修改规格，指定所需自变量的部分。
83605204		* IO 变量存储域的索引超出范围。	3	指定值有误。	请确认 I/O 配置的范围，指定适当的值。
83605205		* 全局变量的索引超出范围。	3	指定值有误。	请确认全局变量的数量，指定适当的值。

错码	RC7编码	信息	等级	说明	恢复处理
83605206		* 未定义的全局变量型。	3	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83605207		* 实数超出范围。	3	指定值有误。	请修改规格，指定所需自变量的部分。
83605208		发现 * 无法识别的字符编码。	3	程序中包含非法的文字编码。	请修改程序，删除非法的字符编码。
83605209		* 字符串未关闭。	3	字符串指定的格式不正确。	请修改“从”的对应情况，并修改成一对。
8360520A		文件已在 * 字符串中途结束。	3	字符串指定的格式不正确。	请修改“从”的对应情况，并修改成一对。
8160520B		定义的 * 标签名超过 64 个字符。	1	标签定义非法。	请将标签名称修改在 64 个字符以内。
8360520C		无法打开 include 文件(*)。	3	指定的文件可能不存在，无法访问。	请修改文件名，并变更为已有文件名。
8160520D		* Else 和 If 之间不能有空格。	1	ElseIf 语句记述有误。	请删除 Else 和 If 之间的空格字符。
8160520E		* End 和 If 之间必须有空格。	1	Else If 语句记述有误。	请在 End 和 If 之间插入一个以上的空格字符。
8360520F		* Robot number is out of range	3	Invalid robot number is specified.	Check the available robot number, and then change the specified robot number to appropriate one.
81608FFF		发生错误。	1	发生了非法操作。	请确认操作内容和指定参数是否正确，执行正确的操作及参数指定。
81608001		参数有误。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608002		拒绝访问。	1	发生了非法操作。	请确认操作内容和指定参数是否正确，执行正确的操作及参数指定。
81608003		不支持此接口。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608004		不明接口。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608005		未找到成员。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608006		未找到参数。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608007		种类不一致。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608008		名称不详。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608009		无命名的自变量。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160800A		变量的种类发生错误。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160800B		超出范围。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160800C	2003	索引无效。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。

错码	RC7编码	信息	等级	说明	恢复处理
8160800D		未知语言。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160800E		存储器被锁定。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160800F		参数的数值无效。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608010		参数无法选择。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608011		调用对象无效。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608012		不支持集合。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608013		该数值已除以 0。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608014		缓冲过小。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
81608015		发生超时。	1	该操作未在指定时间内完成。	请确认操作内容，如有必要可延长超时的时间。
81608016		尚未安装。	1	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
81608017		内存不足。	1	控制器内部已用内存容量达到上限值。	请采取以下处理方法。 1.删除无用的任务。 2.减少局部变量的总数。 3.减小 VM 堆栈大小的设定值，重新启动任务。
81608018		完成该操作所需的数据尚不能使用。	1	试图在完成准备前执行该操作。	请保存程序并重新生成任务。无法完成复位时，请重新启动控制器。
81608019		光标无效。	1	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8160801A		操作柄无效。	1	已执行意外的处理。	请再次起动控制器。不能复位时，请联系本公司服务部门。
8160801B		操作被中断。	1	处理中的动作被强制中断。	发生错误时，请运行控制器清除错误。请再次起动控制器。
8160801C		发生错误。	1	系统内部的一般性错误已返回。	请确认操作内容和指定参数是否正确，执行正确的操作及参数指定。
8160801D		发生致命错误。	1	发生意外错误。	请再次起动控制器。不能复位时，请联系本公司服务部门。

错码	RC7编码	信息	等级	说明	恢复处理
8160801E		通信连接失败。	1	未能建立通信连接。	请确认连接参数、通信设定，指定端口是否使用中及电缆是否无断线情况后，重新执行。
8160801F		数据的传输已中断。	1	处理中的动作被中断。	发生错误时，请运行控制器清除错误。请再次起动控制器。
83608020		因未实施语法检查，该程序无法启动。	3	未实施语法检查的程序将无法启动。	请在语法检查完成后，重新启动程序。
81608021		未找到指定的 Public 变量。	1	未找到指定任务的 Public 变量。	请修改程序，并完成指定任务的 Public 变量的定义。
81608022		指定任务未启动。	1	未能启动定义 Public 变量的任务。	请编译指定任务。
81608023		因不是 Public 属性，无法访问。	1	指定的变量未进行 Public 定义，因此无法访问。	请修改程序，并完成变量的 Public 定义。
81608024		排列的维度数不符。	1	Public 变量排列的维度数与自变量排列的维度数不一致。	请修改程序，确保 Public 变量排列的维度数与自变量排列的维度数保持一致。
83608025		操作盘任务无法直接启动。	3	操作盘任务仅支持从操作盘界面实施自动启动。	请显示相应的操作盘画面。
83608026		没有许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
81608027		未建立通信连接。	1	无法与通信目的地建立连接。	请通过 Comm.State 函数确认连接状态。
81608028		通信连接已使用。	1	指定值有误。	请修改自变量的数量、类型及值的范围，指定适当的自变量。
81608029		恢复静态变量所需的空间不够。	1	静态变量的存储域不足。	请删除无用的全局变量等，确保足够的静态变量存储域。
8160802A		排列中每个维度的要素数不同。	1	Public 变量排列的每个维度的要素数与自变量排列的每个维度的要素数不一致。	请修改程序，并确保 Public 变量排列每个维度的要素数与自变量排列每个维度的要素数一致。
8360802B		Trace code does not exist.	3	Impossible to restart the program from the current line because the trace code is OFF	Please run the program from the top.
8160802C		Teach pendant is not connected.	1	You cannot execute without connecting a Teach pendant.	Execute after connecting a Teaching peandant.
8160802D		Teach pendant or Mini pendant is not connected.	1	You cannot execute without connecting a Teach pendant or a Mini pendant.	Execute after connecting a Teaching or Mini peandant.

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8560802E		Too much number of dimensions	5	Stack overflow.	Revise the program and then restart the controller. If the error still occurs, please contact to DENSO WAVE service.
8160802F		Calling of StackRepair statement is illegal.	1	StackRepair was called without executing StackMemorize.	Call StackMemorize before executing StackRepair.
85609FFF		发生 FRAM 例外。	5	在访问 FRAM 数据领域时，发生意外。	请再次起动控制器。不能复位时，请联系本公司服务部门。
85609001		检测出 FRAM 数据领域的不匹配。	5	可能在切断电源时未能正确保存 FRAM 数据。	请再次起动控制器。不能复位时，请联系本公司服务部门。
85609002		FRAM 数据领域未初始化或发生损坏。	5	检测出 FRAM 数据领域的不匹配。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83609003		所有变量的总尺寸超出变量存储域的上限。	3	变量存储域不足，无法设定指定的变量个数。	请修改变量数，并确保设定的所有变量的总和不超出上限。
83609004		变量数量超出上限值。	3	变量的数量范围在 0 至 2147483647 之间。	请指定范围内的值。
83609005		变量被锁定。	3	变量存储域正在使用，无法访问。	请在变更变量存储域大小后进行访问。
83609101		发生与 Static 变量相关的错误。	3	出自系统内部与 Static 变量相关的错误已返回。	请确认操作内容和指定参数是否正确，执行正确的操作及参数指定。
85609102		初始化 Static 变量失败。	5	初始化 Static 变量存储域时发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
85609103		结束 Static 变量处理失败。	5	结束 Static 变量的处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609104		获取 Static 变量的已分配存储域大小失败。	3	在计算 Static 变量已分配存储域大小的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609105		获取 Static 变量的可用存储域大小失败。	3	在计算 Static 变量的可用存储域大小的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609106		无法分配 Static 变量的存储域。	3	已无法进行 Static 变量的内存分配。	请删除无用的全局变量及其他静态变量。
83609107		释放 Static 变量失败。	3	释放 Static 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。

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83609108		写入 Static 变量失败。	3	在写入 Static 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609109		读取 Static 变量失败。	3	在读取 Static 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910A		获取 Static 变量的可分配 ID 失败。	3	在获取 Static 变量可分配最小 ID 的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910B		Static 变量的最佳化失败。	3	最佳化 Static 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910C		输出 map 文件失败。	3	Static 变量输出至 map 文件的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910D		获取 map 文件名失败。	3	Static 变量获取 map 文件名的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910E		初始化源程序的预处理失败。	3	Static 变量初始化源程序过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360910F		初始化源程序的后处理失败。	3	Static 变量初始化源程序后处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609110		编译的预处理失败。	3	Static 变量进行编译预处理的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609111		编译的后处理失败。	3	Static 变量进行编译后处理的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609112		删除源程序的后处理失败。	3	Static 变量删除源程序后处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609113		删除目录的后处理失败。	3	Static 变量删除目录后处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609114		修改源程序名称的后处理失败。	3	Static 变量变更源程序名后处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。

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83609115		修改目录名称的后处理失败。	3	Static 变量变更目录名后处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609116		执行的预处理失败。	3	执行 Static 变量的预处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609117		执行完毕的后处理失败。	3	执行 Static 变量的结束处理过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609118		获取 Static 变量信息失败。	3	获取 Static 变量的变量信息过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609119		检查 Static 变量是否存在失败。	3	检查 Static 变量是否存的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911A		搜索 Public 变量失败。	3	搜索 Public 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911B		Static 变量更新失败。	3	更新 Static 变量的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911C		读取 Static 变量存储域失败。	3	读取 Static 变量存储域的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911D		Static 变量存储域输出失败。	3	在写入 Static 变量存储域的输出过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911E		Static 变量存储域向 FRAM 输出失败。	3	Static 变量存储域向 FRAM 输出过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
8360911F		创建备份数据失败。	3	建立 Static 变量存储域备份数据的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609120		从备份数据中恢复数据失败。	3	恢复 Static 变量存储域备份数据的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609121		获取 Static 变量名称列表失败。	3	获取 Static 变量名称列表的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。

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83609122		获取 Static 变量值失败。	3	获取 Static 变量值的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609123		设定 Static 变量值失败。	3	设定 Static 变量值的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609124		$Next 文件夹要求更新失败。	3	发送项目时的$Next 文件夹命令更新 Static 变量存储域的过程中发生错误。	请重新启动控制器，或初始化 Static 变量。不能复位时，请联系本公司服务部门。
83609125		清除 Static 变量失败。	3	在清空 Static 变量存储域及删除 map 文件的过程中发生错误。	请再次起动控制器。不能复位时，请联系本公司服务部门。
83609126		参数有误。	3	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
83609127		所有变量的总尺寸超出变量存储域的上限。	3	变量存储域不足，无法设定指定的变量个数。	请修改变量数，并确保设定的所有变量的总和不超出上限。
81609128		内存不足。	1	控制器内部已用内存容量达到上限值。	请采取以下处理方法。 1.删除无用的任务。 2.减少局部变量的总数。 3.减小 VM 堆栈大小的设定值，重新启动任务。
81609129		超出范围。	1	指定参数非法。	请确认参数的数值、类型及范围，修改成适当的值。
8160912A		字符串的长度超过 255 个字节。	1	已将超出限制的 256 个字节以上数据代入字符串型的 Static 变量中。	请修改程序，以保证在 255 个字节内处理。
8160912B		恢复静态变量所需的空间不够。	1	静态变量的存储域不足。	请删除无用的全局变量等，确保足够的静态变量存储域。
83581001		No lisence.	3	No lisence.	Register the license if you have it. If not, contact us.
83581004		No Image.	3	Failed to retrieve a camera image or image in the memory.	Check that a camera is set and connected properly. Check that the specification of image ID is appropriate.
83581007		Specified EVP Project File is not exist.	3	Specified EVP project file name is not exist.	Check the EVP project file name.
83581008		Failed to read EVP Project File.	3	The parameter in the EVP project file is an abnormal value.	Create an EVP project file and transfer it again.
83581009		EVP Project File is not specified.	3	Project file is not specified by the argument of AddController or LoadFile is not invoked.	Specify an EVP project file.

错码	RC7 编码	信息	等级	说明	恢复处理
8358100A		Failed to read EVP Project File.	3	There is no template image specified by EVP project file.	Create an EVP project file and transfer it again.
8358100B		Failed to read EVP Project File.	3	The format of the template image specified by EVP project file is abnormal.	Create an EVP project file and transfer it again.
8358100D		Failed to read EVP Project File.	3	EVP project file version is newer than the EVP provider version.	Create an EVP project file by using EVP Guidance corresponding to RC8 version, and transfer it again.
8358107B		The image ID you try to set has been used already.	3	The specified image ID has been used already. Please specify different image ID.	Specify different image ID.
83585000		电动夹治具 0:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585001		电动夹治具 1:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585002		电动夹治具 2:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585003		电动夹治具 3:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585004		电动夹治具 4:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585005		电动夹治具 5:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585006		电动夹治具 6:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585007		电动夹治具 7:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83585010	2A10	电动夹治具 0:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585011	2A10	电动夹治具 1:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585012	2A10	电动夹治具 2:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585013	2A10	电动夹治具 3:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。

错码	RC7 编码	信息	等级	说明	恢复处理
83585014	2A10	电动夹治具 4:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585015	2A10	电动夹治具 5:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585016	2A10	电动夹治具 6:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。
83585017	2A10	电动夹治具 7:过载。	3	发生过载(电机过载)。可以考虑以下原因。 1.电机故障。 2.参数故障。 3.电源线的容量不足。 4.装置本身的摩擦大。	请针对说明中的各项，实施以下内容。 1.当出现电机的电枢电阻小，用手转动电机感觉异常沉重等状况时，应更换电动夹治具本体。 2.重新设置执行器类型。 3.确认电源容量，发现不足时提升容量。 4.确认设备的可动部位是否过重，并重新调整。

错码	RC7 编码	信息	等级	说明	恢复处理
83585020	2A1C	电动夹治具 0:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585021	2A1C	电动夹治具 1:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585022	2A1C	电动夹治具 2:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585023	2A1C	电动夹治具 3:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。

错码	RC7 编码	信息	等级	说明	恢复处理
83585024	2A1C	电动夹治具 4:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585025	2A1C	电动夹治具 5:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585026	2A1C	电动夹治具 6:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。
83585027	2A1C	电动夹治具 7:过电流。	3	发生过电流。可以考虑以下原因。 1.24V 电源 OFF 2.电机故障 3.电动夹治具控制板故障 4.参数故障	请针对说明中的各项，实施以下内容。 1.接通 24V 电源。 2.确认配线。 3.更换电动夹治具本体。 4.更换电动夹治具控制板。 5.重新设置执行器类型。

错码	RC7 编码	信息	等级	说明	恢复处理
83585030	2A11	电动夹治具 0:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585031	2A11	电动夹治具 1:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585032	2A11	电动夹治具 2:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585033	2A11	电动夹治具 3:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585034	2A11	电动夹治具 4:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。

错码	RC7 编码	信息	等级	说明	恢复处理
83585035	2A11	电动夹治具 5:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585036	2A11	电动夹治具 6:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585037	2A11	电动夹治具 7:机器参考超载。	3	编码器 Z 相的位置偏离初始值。可以考虑以下原因。 1.已更换电动夹治具本体。 2.已通过原点闭合侧的设定更换夹爪。 3.编码器 Z 相发生断线、故障。	请针对说明中的各项，实施以下内容。 1.清除机器参考文件。 2.清除机器参考文件。原点置于打开侧。 3.更换电动夹治具本体。
83585040	2A12	电动夹治具 0:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585041	2A12	电动夹治具 1:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585042	2A12	电动夹治具 2:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585043	2A12	电动夹治具 3:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。

错码	RC7 编码	信息	等级	说明	恢复处理
83585044	2A12	电动夹治具 4:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585045	2A12	电动夹治具 5:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585046	2A12	电动夹治具 6:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585047	2A12	电动夹治具 7:电源电压下降。	3	电源电压下降至额定值的 80%以下。	请确认电源容量，若发现不足及时提升容量(机器在执行遇碰撞返回原点、启动设备以及加减速等操作时最消耗电力)。
83585060	2A13	电动夹治具 0:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585061	2A13	电动夹治具 1:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585062	2A13	电动夹治具 2:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。

错码	RC7 编码	信息	等级	说明	恢复处理
83585063	2A13	电动夹治具 3:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585064	2A13	电动夹治具 4:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585065	2A13	电动夹治具 5:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585066	2A13	电动夹治具 6:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585067	2A13	电动夹治具 7:位置偏差过大。	3	位置偏差加大。可以考虑以下原因。 1.机械锁。 2.加减速移动模式下，移动过程中发生碰撞。 3.电机线发生断线、配线错误。 4.参数故障。	请针对说明中的各项，实施以下内容。 1.确认设备的可动部分机械锁是否锁定。 2.修改移动模式。 3.确认电机线、编码器信号线的连接情况。 4.重新设置执行器类型。
83585070	2A14	电动夹治具 0:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83585071	2A14	电动夹治具 1:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585072	2A14	电动夹治具 2:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585073	2A14	电动夹治具 3:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585074	2A14	电动夹治具 4:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585075	2A14	电动夹治具 5:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585076	2A14	电动夹治具 6:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585077	2A14	电动夹治具 7:内部通讯异常。	3	电动夹治具控制板的各要素之间，发生某固定时间内无法进行数据传输/接收的情况。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585080	2A15	电动夹治具 0:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585081	2A15	电动夹治具 1:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585082	2A15	电动夹治具 2:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585083	2A15	电动夹治具 3:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。

错码	RC7 编码	信息	等级	说明	恢复处理
83585084	2A15	电动夹治具 4:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585085	2A15	电动夹治具 5:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585086	2A15	电动夹治具 6:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585087	2A15	电动夹治具 7:24V 电源 OFF。	3	用于电机驱动的 DC24V 电源未接通。	请按照下述内容执行。 1.接通 24V 电源。 2.确认配线。
83585090	2A16	电动夹治具 0:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585091	2A16	电动夹治具 1:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585092	2A16	电动夹治具 2:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83585093	2A16	电动夹治具 3:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585094	2A16	电动夹治具 4:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585095	2A16	电动夹治具 5:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585096	2A16	电动夹治具 6:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585097	2A16	电动夹治具 7:系统异常 1。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
835850A0	2A17	电动夹治具 0:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A1	2A17	电动夹治具 1:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A2	2A17	电动夹治具 2:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A3	2A17	电动夹治具 3:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A4	2A17	电动夹治具 4:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。

错码	RC7 编码	信息	等级	说明	恢复处理
835850A5	2A17	电动夹治具 5:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A6	2A17	电动夹治具 6:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850A7	2A17	电动夹治具 7:备份错误 1。	3	电机的力量控制失败。可以考虑以下原因。 1.由于接通电源时的初期处理不当，励磁位置与编码器位置不吻合。 2.外部干扰等导致编码器计数出错。	请针对说明中的各项，实施以下内容。 1.重新接通电源，并确认夹爪未承受外力，并进行原点复位。 2.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。
835850B0	2A18	电动夹治具 0:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B1	2A18	电动夹治具 1:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B2	2A18	电动夹治具 2:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B3	2A18	电动夹治具 3:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。

错码	RC7 编码	信息	等级	说明	恢复处理
835850B4	2A18	电动夹治具 4:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B5	2A18	电动夹治具 5:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B6	2A18	电动夹治具 6:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850B7	2A18	电动夹治具 7:备份错误 2。	3	电机的力量控制失败。可以考虑以下原因。 1.编码器信号线断线 2.滑块被固定。	请针对说明中的各项，实施以下内容。 1.确认编码器信号线的连接情况。 2.解除固定。
835850C0	2A19	电动夹治具 0:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C1	2A19	电动夹治具 1:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C2	2A19	电动夹治具 2:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C3	2A19	电动夹治具 3:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C4	2A19	电动夹治具 4:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。

错码	RC7 编码	信息	等级	说明	恢复处理
835850C5	2A19	电动夹治具 5:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C6	2A19	电动夹治具 6:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850C7	2A19	电动夹治具 7:电压异常。	3	发生过电压。可以考虑以下原因。 1.再生导致电源电压升高 2.电机驱动电源电压发生错误	请针对说明中的各项，实施以下内容。 1.降低设备的动作功率。 2.确认电机驱动电源电压。
835850D0	2A1A	电动夹治具 0:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D1	2A1A	电动夹治具 1:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D2	2A1A	电动夹治具 2:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
835850D3	2A1A	电动夹治具 3:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D4	2A1A	电动夹治具 4:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D5	2A1A	电动夹治具 5:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D6	2A1A	电动夹治具 6:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850D7	2A1A	电动夹治具 7:系统异常 2。	3	电动夹治具控制板的系统出现异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
835850E0	2A1B	电动夹治具 0:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。

错码	RC7 编码	信息	等级	说明	恢复处理
835850E1	2A1B	电动夹治具 1:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E2	2A1B	电动夹治具 2:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E3	2A1B	电动夹治具 3:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E4	2A1B	电动夹治具 4:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E5	2A1B	电动夹治具 5:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E6	2A1B	电动夹治具 6:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
835850E7	2A1B	电动夹治具 7:备份错误 3。	3	电机的力量控制失败。原因可能是电机线断线或误接。	请检查电机线的连接情况。
83585200	2A20	电动夹治具 0:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585201	2A20	电动夹治具 1:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585202	2A20	电动夹治具 2:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585203	2A20	电动夹治具 3:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。

错码	RC7 编码	信息	等级	说明	恢复处理
83585204	2A20	电动夹治具 4:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585205	2A20	电动夹治具 5:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585206	2A20	电动夹治具 6:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585207	2A20	电动夹治具 7:超出软件限制。	3	在 JOG 进给、直接教导和教导重播过程中指定了软件限制范围外的位置。	请按照下述内容执行。 1.修改移动目标位置。 2.修改软件限制。
83585230	2A21	电动夹治具 0:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585231	2A21	电动夹治具 1:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585232	2A21	电动夹治具 2:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585233	2A21	电动夹治具 3:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585234	2A21	电动夹治具 4:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585235	2A21	电动夹治具 5:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585236	2A21	电动夹治具 6:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585237	2A21	电动夹治具 7:原点未完。	3	在未实施原点复位的状态下，已试图执行移动命令。	请实施原点复位。
83585240	2A22	电动夹治具 0:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。

错码	RC7 编码	信息	等级	说明	恢复处理
83585241	2A22	电动夹治具 1:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585242	2A22	电动夹治具 2:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585243	2A22	电动夹治具 3:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585244	2A22	电动夹治具 4:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585245	2A22	电动夹治具 5:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585246	2A22	电动夹治具 6:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585247	2A22	电动夹治具 7:电机 OFF。	3	电机 OFF 时欲执行移动命令。	请执行电机 ON。
83585250		电动夹治具 0:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585251		电动夹治具 1:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585252		电动夹治具 2:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585253		电动夹治具 3:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585254		电动夹治具 4:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585255		电动夹治具 5:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585256		电动夹治具 6:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585257		电动夹治具 7:互锁。	3	互锁时欲执行指令命令。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585260	2A24	电动夹治具 0:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585261	2A24	电动夹治具 1:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。

错码	RC7 编码	信息	等级	说明	恢复处理
83585262	2A24	电动夹治具 2:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585263	2A24	电动夹治具 3:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585264	2A24	电动夹治具 4:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585265	2A24	电动夹治具 5:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585266	2A24	电动夹治具 6:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585267	2A24	电动夹治具 7:紧急停止开放状态。	3	在紧急停止(紧急停止接点处于打开状态)状态下，已试图执行移动命令。	请解除紧急停止(使紧急停止接点短路)。
83585270	2A25	电动夹治具 0:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585271	2A25	电动夹治具 1:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585272	2A25	电动夹治具 2:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585273	2A25	电动夹治具 3:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585274	2A25	电动夹治具 4:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。

错码	RC7 编码	信息	等级	说明	恢复处理
83585275	2A25	电动夹治具 5:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585276	2A25	电动夹治具 6:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585277	2A25	电动夹治具 7:电动夹治具动作中。	3	在电动夹治具动作过程中，已试图执行移动命令。	电动夹治具动作过程中，无法执行移动命令。 可采取等待 BUSY 信号(执行中标志)变 OFF 等方法，在电动夹治具不动作的状态下执行移动命令。
83585290	2A27	电动夹治具 0:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585291	2A27	电动夹治具 1:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585292	2A27	电动夹治具 2:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585293	2A27	电动夹治具 3:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。

错码	RC7 编码	信息	等级	说明	恢复处理
83585294	2A27	电动夹治具 4:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585295	2A27	电动夹治具 5:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585296	2A27	电动夹治具 6:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585297	2A27	电动夹治具 7:无原点。	3	在执行原点复位动作时未发现 Z 相。可以考虑以下原因。 1. 执行器类型的输入错误 2. Z 相的信号线断线	请针对说明中的各项，实施以下内容。 1.重新设置执行器类型。 2.请交换电机电缆。
83585320	2A29	电动夹治具 0:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585321	2A29	电动夹治具 1:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585322	2A29	电动夹治具 2:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585323	2A29	电动夹治具 3:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585324	2A29	电动夹治具 4:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585325	2A29	电动夹治具 5:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585326	2A29	电动夹治具 6:数据错误。	3	超出数据输入范围。	请确认输入数据。
83585327	2A29	电动夹治具 7:数据错误。	3	超出数据输入范围。	请确认输入数据。

错码	RC7 编码	信息	等级	说明	恢复处理
83585330	2A1D	电动夹治具 0:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585331	2A1D	电动夹治具 1:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585332	2A1D	电动夹治具 2:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585333	2A1D	电动夹治具 3:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。

错码	RC7 编码	信息	等级	说明	恢复处理
83585334	2A1D	电动夹治具 4:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585335	2A1D	电动夹治具 5:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585336	2A1D	电动夹治具 6:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585337	2A1D	电动夹治具 7:参数设定错误。	3	在接通电源，初始化电动夹治具控制板时，参数设置失败。可以考虑以下原因。 1.未设定执行器类型。（由于购买电动夹治具控制板时，未配套购买执行器类型，因此定会发生该情况。） 2.参数输入错误。	请重新设置执行器类型。
83585FF0		电动夹治具 0:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF1		电动夹治具 1:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83585FF2		电动夹治具 2:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF3		电动夹治具 3:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF4		电动夹治具 4:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF5		电动夹治具 5:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF6		电动夹治具 6:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83585FF7		电动夹治具 7:未预期板异常。	3	电动夹治具板发生未预期错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586000		电动夹治具 0:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586001		电动夹治具 1:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586002		电动夹治具 2:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586003		电动夹治具 3:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586004		电动夹治具 4:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586005		电动夹治具 5:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586006		电动夹治具 6:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

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83586007		电动夹治具 7:未预期系统错误。	3	发生未预期电动夹治具系统错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586010	2A1E	电动夹治具 0:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586011	2A1E	电动夹治具 1:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586012	2A1E	电动夹治具 2:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586013	2A1E	电动夹治具 3:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586014	2A1E	电动夹治具 4:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83586015	2A1E	电动夹治具 5:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586016	2A1E	电动夹治具 6:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586017	2A1E	电动夹治具 7:监控器异常。	3	机器人控制器的监控器和电动夹治具控制板的监控器监控发生异常。	请按照下述内容执行。 1.发现附近有干扰源时，可采取远离干扰源等方法，避免机器受干扰。 2.请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586020	2A1F	电动夹治具 0:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586021	2A1F	电动夹治具 1:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586022	2A1F	电动夹治具 2:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586023	2A1F	电动夹治具 3:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586024	2A1F	电动夹治具 4:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586025	2A1F	电动夹治具 5:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83586026	2A1F	电动夹治具 6:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586027	2A1F	电动夹治具 7:内部访问错误。	3	在机器人控制器访问电动夹治具控制板时发生错误。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586030	2A2C	电动夹治具 0:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586031	2A2C	电动夹治具 1:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586032	2A2C	电动夹治具 2:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586033	2A2C	电动夹治具 3:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586034	2A2C	电动夹治具 4:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586035	2A2C	电动夹治具 5:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586036	2A2C	电动夹治具 6:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586037	2A2C	电动夹治具 7:内部处理超时。	3	在电动夹治具执行动作命令过程中，机器人控制器访问电动夹治具控制板时发生超时。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586040	2A1D	电动夹治具 0:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586041	2A1D	电动夹治具 1:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586042	2A1D	电动夹治具 2:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。

错码	RC7 编码	信息	等级	说明	恢复处理
83586043	2A1D	电动夹治具 3:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586044	2A1D	电动夹治具 4:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586045	2A1D	电动夹治具 5:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586046	2A1D	电动夹治具 6:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586047	2A1D	电动夹治具 7:指令执行超时。	3	在以电动夹治具程序库的电动夹治具动作命令指定超时值时，未能在该值指定时间内结束动作。	请修改超时值。
83586060		电动夹治具 0:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586061		电动夹治具 1:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586062		电动夹治具 2:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586063		电动夹治具 3:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586064		电动夹治具 4:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586065		电动夹治具 5:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586066		电动夹治具 6:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586067		电动夹治具 7:板初始化失败。	3	电动夹治具控制板的初始化失败。	请再次启动机器人控制器和电机驱动电源。仍然发生时，请联系本公司。
83586070		电动夹治具 0:参数无效。	3	超出指令参数输入范围。	请确认输入参数。

错码	RC7 编码	信息	等级	说明	恢复处理
83586071		电动夹治具 1:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586072		电动夹治具 2:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586073		电动夹治具 3:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586074		电动夹治具 4:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586075		电动夹治具 5:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586076		电动夹治具 6:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83586077		电动夹治具 7:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587010		电动夹治具 0:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587011		电动夹治具 1:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587012		电动夹治具 2:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587013		电动夹治具 3:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587014		电动夹治具 4:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587015		电动夹治具 5:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587016		电动夹治具 6:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。

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83587017		电动夹治具 7:未发现板。	3	未能识别电动夹治具板。	未能正确识别有效的电动夹治具控制板。请安装电动夹治具控制板。未安装时，请将电动夹治具设为无效。
83587020		电动夹治具 0:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587021		电动夹治具 1:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587022		电动夹治具 2:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587023		电动夹治具 3:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587024		电动夹治具 4:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587025		电动夹治具 5:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587026		电动夹治具 6:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587027		电动夹治具 7:参数访问异常	3	电动夹治具的参数设置或获取失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587030		电动夹治具 0:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587031		电动夹治具 1:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587032		电动夹治具 2:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587033		电动夹治具 3:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587034		电动夹治具 4:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。

错码	RC7 编码	信息	等级	说明	恢复处理
83587035		电动夹治具 5:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587036		电动夹治具 6:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587037		电动夹治具 7:执行失败。	3	电动夹治具的动作命令执行失败。	请确认电动夹治具动作过程中是否存在其他指令同时执行。
83587040		电动夹治具 0:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587041		电动夹治具 1:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587042		电动夹治具 2:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587043		电动夹治具 3:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587044		电动夹治具 4:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587045		电动夹治具 5:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587046		电动夹治具 6:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587047		电动夹治具 7:获取参数失败。	3	获取电动夹治具的变量。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587050		电动夹治具 0:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587051		电动夹治具 1:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587052		电动夹治具 2:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587053		电动夹治具 3:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。

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83587054		电动夹治具 4:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587055		电动夹治具 5:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587056		电动夹治具 6:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587057		电动夹治具 7:设定参数失败。	3	访问电动夹治具的变量设定失败。	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587060		电动夹治具 0:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587061		电动夹治具 1:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587062		电动夹治具 2:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587063		电动夹治具 3:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587064		电动夹治具 4:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587065		电动夹治具 5:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587066		电动夹治具 6:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
83587067		电动夹治具 7:参数初始化失败。	3	电动夹治具的参数初始化失败。	请设定电动夹治具参数。
81587070		电动夹治具 0:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587071		电动夹治具 1:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587072		电动夹治具 2:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587073		电动夹治具 3:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。

错码	RC7编码	信息	等级	说明	恢复处理
81587074		电动夹治具 4:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587075		电动夹治具 5:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587076		电动夹治具 6:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
81587077		电动夹治具 7:夹取失败。	1	执行夹取动作后，未夹取任何物体到达目标位置。	请按照下述内容执行。 1.请检查工件是否位于夹取位置。 2.请确认目标位置是否为可夹取工件的位置。
83587080		电动夹治具 0:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587081		电动夹治具 1:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587082		电动夹治具 2:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587083		电动夹治具 3:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587084		电动夹治具 4:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587085		电动夹治具 5:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587086		电动夹治具 6:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587087		电动夹治具 7:无效点的动作。	3	通过电动夹治具测点数据指定无效动作模式。	请修改指定测点数据的值。
83587090		电动夹治具 0:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587091		电动夹治具 1:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587092		电动夹治具 2:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587093		电动夹治具 3:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587094		电动夹治具 4:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587095		电动夹治具 5:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
83587096		电动夹治具 6:参数无效。	3	超出指令参数输入范围。	请确认输入参数。

错码	RC7 编码	信息	等级	说明	恢复处理
83587097		电动夹治具 7:参数无效。	3	超出指令参数输入范围。	请确认输入参数。
835870A0		电动夹治具 0:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A1		电动夹治具 1:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A2		电动夹治具 2:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A3		电动夹治具 3:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A4		电动夹治具 4:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A5		电动夹治具 5:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A6		电动夹治具 6:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870A7		电动夹治具 7:未发现板。	3	Failed to identify the electric gripper control board, because board-ID overlap.	Failed to identify the enabled electric gripper board because two or more board ID exist. Please check the setting of board ID.
835870B0		电动夹治具 0:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B1		电动夹治具 1:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B2		电动夹治具 2:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.

错码	RC7编码	信息	等级	说明	恢复处理
835870B3		电动夹治具 3:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B4		电动夹治具 4:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B5		电动夹治具 5:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B6		电动夹治具 6:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870B7		电动夹治具 7:未发现板。	3	Failed to identify the electric gripper control board, because board-ID does not match.	Failed to identify the enabled electric gripper board because the board ID does not match. Please check the setting of board ID.
835870C0		电动夹治具 0:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C1		电动夹治具 1:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C2		电动夹治具 2:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C3		电动夹治具 3:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C4		电动夹治具 4:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C5		电动夹治具 5:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C6		电动夹治具 6:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870C7		电动夹治具 7:未发现板。	3	Electric gripper-related error occurred, but failed to retrieve the error number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D0		电动夹治具 0:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。

错码	RC7编码	信息	等级	说明	恢复处理
835870D1		电动夹治具 1:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D2		电动夹治具 2:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D3		电动夹治具 3:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D4		电动夹治具 4:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D5		电动夹治具 5:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D6		电动夹治具 6:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
835870D7		电动夹治具 7:未发现板。	3	Electric gripper-related command was executed, but failed to retrieve the command number.	请再次启动机器人控制器。仍然发生时，请联系本公司。
83587100		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587101		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587102		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587103		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587104		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587105		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83587106		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。

错码	RC7 编码	信息	等级	说明	恢复处理
83587107		电动夹治具:无有效的许可证。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83589000		EMU:Argument is incorrect	3	The specified argument is not correct.	Revise the number or the type of argument to meet with the specification.
81589001		EMU:Failed to get variable	1	Failed to get variable.	Specify the model corresponding to the variable.
81589002		EMU:Failed to set variable	1	Failed to set variable.	Specify the model corresponding to the variable.
81589003		EMU:Internal error	1	Unexpected EMU internal error occurred.	Retry the command. If an error occurs again, restart EMU.
81589004		EMU:Model is moving	1	Motion command was issued during Model movement.	Motion command cannot be executed while Model is moving. Execute the motion command when Model is not moving, by waiting until Status (Model moving flag) turns end.
8358A000		No license.	3	No lisence.	Register the license if you have it. If not, contact us.
8358A001		Disable function.	3	Disable function.	Please enable function and reboot.
8358A002		Initialization error.	3	Initialization error.	Revise the parameters to meet with the specification.
8358A003		Disable device address0	3	Disable device address0	Please enable device address0 and reboot.
8358A004		Disable device address1	3	Disable device address1	Please enable device address1 and reboot.
8358A005		Disable device address2	3	Disable device address2	Please enable device address2 and reboot.
8358A006		Disable device address3	3	Disable device address3	Please enable device address3 and reboot.
8358A007		Disable device address4	3	Disable device address4	Please enable device address4 and reboot.
8358A008		Disable device address5	3	Disable device address5	Please enable device address5 and reboot.
8358A009		Disable device address6	3	Disable device address6	Please enable device address6 and reboot.
8358A00A		Disable device address7	3	Disable device address7	Please enable device address7 and reboot.
8358A00B		Disable device address8	3	Disable device address8	Please enable device address8 and reboot.
8358A00C		Disable device address9	3	Disable device address9	Please enable device address9 and reboot.
8358A00D		Disable device address10	3	Disable device address10	Please enable device address10 and reboot.
8358A00E		Disable device address11	3	Disable device address11	Please enable device address11 and reboot.
8358A00F		Disable device address12	3	Disable device address12	Please enable device address12 and reboot.
8358A010		Disable device address13	3	Disable device address13	Please enable device address13 and reboot.
8358A011		Disable device address14	3	Disable device address14	Please enable device address14 and reboot.
8358A012		Disable device address15	3	Disable device address15	Please enable device address15 and reboot.
8358A013		Argument error.	3	Argument handed to a command is invalid or out of available range.	Argument handed to a command is invalid or out of available range.

错码	RC7 编码	信息	等级	说明	恢复处理
8358A014		Status error.	3	A function is invoked by abnormal state. If the protocol has not been opened normally, this return code will be returned by all functions.	A function is invoked by abnormal state. If the protocol has not been opened normally, this return code will be returned by all functions.
8358A015		Invalid server device address.	3	Address 0 is used by a function that does not support broadcasting.	Address 0 is used by a function that does not support broadcasting.
8358A016		Port open error or socket open error.	3	Failed to open TCP/IP socket or serial port. If the error is serial port open error, the specified serial port may not exist in the system.	Failed to open TCP/IP socket or serial port. If the error is serial port open error, the specified serial port may not exist in the system.
8358A017		Serial port has already opened.	3	A serial port designated for open operation has already been taken by other application.	A serial port designated for open operation has already been taken by other application.
8358A018		TCP/IP connection error.	3	Failed to establish TCP/IP connection. This error occurs when a host exists on the network or on IP address, or the name of host is incorrect. Remote host needs to listen appropriate port number.	Failed to establish TCP/IP connection. This error occurs when a host exists on the network or on IP address, or the name of host is incorrect. Remote host needs to listen appropriate port number.
8358A019		Remote pier closed the TCP/IP connection.	3	This error notifies that TCP/IP connection was closed or damaged by a remote pier.	This error notifies that TCP/IP connection was closed or damaged by a remote pier.
8358A01A		Socket library error.	3	Failed to load TCP/IP socket library (such as WINSOCK). DLL may not be found or may not be installed.	Failed to load TCP/IP socket library (such as WINSOCK). DLL may not be found or may not be installed.
8358A01B		TCP port has already been bound.	3	This error notifies that the specified TCP port cannot be bound. A port may already been occupied by other application or may not been released by TCP/IP stack for reuse.	This error notifies that the specified TCP port cannot be bound. A port may already been occupied by other application or may not been released by TCP/IP stack for reuse.
8358A01C		Failed to listen.	3	Failed to listen the specified TCP port.	Failed to listen the specified TCP port.
8358A01D		File descriptor exceeds the available range.	3	File descriptor exceeds the maximum limit.	File descriptor exceeds the maximum limit.
8358A01E		There is no permission to access the serial port or TCP port.	3	For a serial port error, change the access permission. If a TCP/IP port error occurrs, the specified TCP port number is out of the IPPORT_RESERVED range.	For a serial port error, change the access permission. If a TCP/IP port error occurrs, the specified TCP port number is out of the IPPORT_RESERVED range.
8358A01F		TCP port is not available.	3	The specified TCP port is not available in this operation environment.	The specified TCP port is not available in this operation environment.
8358A020		Serial line is busy.	3	Serial line receives any noise or other signals although it should not have any traffic.	Serial line receives any noise or other signals although it should not have any traffic.
8358A021		Checksum error.	3	Checksum of received frame is invalid.	Checksum of received frame is invalid.

错码	RC7 编码	信息	等级	说明	恢复处理
8358A022		Invalid frame error.	3	The received frame does not correspond to any structure or content in communication protocol or does not match with the frame of query that has been sent before.	The received frame does not correspond to any structure or content in communication protocol or does not match with the frame of query that has been sent before.
8358A023		Invalid reply error.	3	The received reply frame does not correspond to the communication protocol.	The received reply frame does not correspond to the communication protocol.
8358A024		Timeout error.	3	This error may occur when a server device does not respond within the predetermined time or does not respond completely. Incorrect server device address may cause this error.	This error may occur when a server device does not respond within the predetermined time or does not respond completely. Incorrect server device address may cause this error.
8358A025		Send timeout error.	3	This error notifies that the data transmission has been time-out. This error may occur when the handshake line is not configured properly.	This error notifies that the data transmission has been time-out. This error may occur when the handshake line is not configured properly.
8358A026		Invalid identifier.	3	Protocol or transaction identifier is invalid. TCP server device needs to return the identifier received from TCP client.	Protocol or transaction identifier is invalid. TCP server device needs to return the identifier received from TCP client.
8358A027		This error notifies that a Modbus exception response message has been received.	3	This error notifies that a Modbus exception response message has been received.	This error notifies that a Modbus exception response message has been received.
8358A028		This error notifies that an exception response (code 01)	3	This error notifies that an exception response (code 01) of Modbus invalid function has been received.	This error notifies that an exception response (code 01) of Modbus invalid function has been received.
8358A029		This error notifies that an exception response (code 02)	3	This error notifies that an exception response (code 02) of Modbus invalid data address has been received.	This error notifies that an exception response (code 02) of Modbus invalid data address has been received.
8358A02A		This error notifies that an exception response (code 03)	3	This error notifies that an exception response (code 03) of Modbus invalid value is received.	This error notifies that an exception response (code 03) of Modbus invalid value is received.
8358A02B		This error notifies that an exception response (code 04)	3	This error notifies that an exception response (code 04) of Modbus slave failure has been received.	This error notifies that an exception response (code 04) of Modbus slave failure has been received.
8358A02C		Selected device model is not supported.	3	Selected device model is not supported.	Selected device model is not supported.
8358B000		Disable K3 hand.	3	Disable K3 hand.	Please set Hand Type parameter to K3 Hand and reboot.
8358B001		Initialization error.	3	Initialization error.	Revise the parameters to meet with the specification.

错码	RC7 编码	信息	等级	说明	恢复处理
8158B002	200A	You cannot execute a command while the K3 hand motor power is ON	1	You cannot execute a command while the K3 hand motor power is ON	Turn OFF the K3 hand motor and then retry.
8158B003	2006	Turn ON the K3 hand motor to execute the command	1	Turn ON the K3 hand motor to execute the command	Turn ON the K3 hand motor and then retry.
8358B004		Failed to open the MDB for the K3 hand.	3	Failed to open the MDB for the K3 hand.	Try again. If the error recurs frequently, inspect or repair the controller.
8358B005		Failed to update of the K3 hand module.	3	Failed to update of the K3 hand module.	Send K3 hand module again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
8358B006		Timeout of K3 hand.	3	Not Complete K3 hand moving.	Please review the setting of the moving speed. Also, if you are calling an command of K3Hand from more than one program, be sure not to call the command of K3Hand simultaneously.
8358B007		The error occurred at the hand provider. Please refer to original number and manual of hand for details.	3	An error has occurred at the hand provider. The error code notified from the provider is described as the original number.	Refer to the manual prepared by the hand manufacturer and perform recovery procedure corresponding to the error code written in the original number.
8358B008		Invalid argument of K3 hand movement command.	3	Invalid argument of K3 hand movement command.	The argument of the K3 hand movement command is either an integer or a string only. Please refer to the manual for details.
8358B009		The format of the K3 hand argument is invalid.	3	The format of the string specified in the argument is incorrect.	Please make sure that the arguments have the correct format. Please refer to the manual for details.
8358B00A		It can not be performed with the external wiring configuration.	3	This operation can not be performed with the external wiring configuration.	In the external wiring configuration, you can not operate the hand from COBOTTA. Please operate the hand from the PC.
8358B00B		The connected hand is different from the setting.	3	It can not be executed because the connected hand is different from the set hand type.	Press [F6 Aux] button on the hand page to set the type of hand actually connected.
8358B00C		K3 hand is moving.	3	It can not be executed while the K3 hand is moving.	Review the program.
83582000		Failed to get variable.	3	Failed to get variable.	Please select the appropriate variable's name.
83582001		The error occurred at the ADS provider. Please refer to original number and manual of hand for details.	3	An error has occurred at the ADS provider. The error code notified from the provider is described as the original number.	Refer to the manual and perform recovery procedure corresponding to the error code written in the original number.
83500001	73EA	语法错误。	3	语法检查时发现错误。	请修正程序。

错码	RC7 编码	信息	等级	说明	恢复处理
83500002	2003	数值超出范围。	3	自变量的值不在可获取的范围内。	请修改程序，将自变量变更为可以取得的值。
83500003	77D1	未定义机械臂组。	3	欲取得没有被设定的机械臂组。	请设定指定编号的机械臂组。
82500004	21FC	自动允许信号断开	2	自动模式下，自动允许信号已 OFF。	设定为自动模式时，需要将自动允许设为 ON。
82500005	21FD	自动允许信号接通。	2	手动模式或者教导检查模式下，自动允许信号已 ON。	状态是将多功能教导器的运行模式切换开关切换为 AUTO 的同时，运行模式切换为自动模式。
81500006	27A8	不能连续开始。	1	不能连续开始时，欲要实施连续开始。	请只有在连续开始的允许信号为 ON 时，进行连续开始。
83500007	27A9	连续开始失败。	3	执行连续开始时，执行了停止程序和启动程序等操作，因此连续开始失败。	执行连续开始时，请勿进行程序的启动和停止等操作。
83500008	77B7	在机器人运行时，执行电机 OFF 指令。	3	机器人运行时执行了电机 OFF 指令。	在机器人运行时，请勿执行电机 OFF 指令。
83500009		许可证未登录。	3	许可证未登录。	请登录许可证。
8250000A	64F9	连接着多台电机。	2	连接着多台电机，无法设定编码器。	请在只连接 1 个电机的状态下设定编码器。
8250000B		未连接电机。	2	未连接电机，无法设定编码器。	请在连接电机的状态下设定编码器。
8350000C	2187	多功能教导器的通信异常。	3	多功能教导器与机器人控制器的通信发生异常。 可以考虑以下原因。 1.多功能教导器电缆破损、短路、接触不良。 2. 多功能教导器的故障。	请确认以下事项、重新连接多功能教导器后再重启。 不能复位时，请联系本公司服务部门。 1. 多功能教导器的连接电缆没有损伤、短路，是正常安装。 2. 多功能教导器上没有破损和损伤。
8050000D	2103	请更换机器人控制器的电池。	0	机器人控制器的电池的更换时间。	更换机器人控制器的电池后，请设定下次检查日期。
8050000E	24A0	机器人的检查期限已到。	0	编码器备用电池的更换时间。	请更换编码器备份电池。
8350000F	77F7	这是用特权任务不能执行的操作。	3	进行的操作对特权任务不能执行。	请勿对特权任务操作。
83500010		这是用操作盘任务不能执行的操作。	3	进行的操作对操作盘任务不能执行。	请勿对操作盘任务操作。
83500011	77EB	这是用特权任务不能执行的命令。	3	执行的命令在特权任务中不能执行。在特权任务中不能运行机器人。	请勿通过特权任务执行机器人运行命令。

错码	RC7编码	信息	等级	说明	恢复处理
83500012		这是用操作盘任务不能执行的命令。	3	执行的命令在操作盘任务中不能执行。操作盘任务中不能运行机器人。	请勿通过操作盘任务执行机器人运行命令。
81500013		函数未被定义。	1	CALL 调用的函数未被定义。	请修改程序，以确定通过 CALL 调出的函数名是否被定义。
81500014		自变量的数量不一致。	1	函数定义的自变量数与调用参数时指定的自变量数不一致。	请修改程序以统一自变量的数量。
83500015		程序未停止。	3	对未停止的程序的文件执行删除和变更处理。	请停止程序后再执行。
83500016		发生了例外。	3	内部处理时发生例外。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500017	738B	不能变更该数据。	3	已变更的参数不能从程序变更。	由程序指定的参数不能变更。请修改程序。
81500018		参数有误。	1	参数的值存在异常。	请从 WINCAPS 重新发送参数。
80500019		该行不能执行指定行。	0	指定了无法开始执行程序的行。	请指定其他行。
8350001A		发生了无法预测的例外。	3	内部处理时发生例外。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8150001B		自变量非法。	1	已指定非法的自变量。	请修改程序的自变量。
8150001C		自变量不足。	1	自变量不足。	请修改程序的自变量的数量。
8150001D		自变量过多	1	自变量过多	请修改程序的自变量的数量。
8150001E		第 1 自变量非法。	1	第 1 自变量非法。	请修改程序的第 1 自变量。
8150001F		第 2 自变量非法。	1	第 2 自变量非法。	请修改程序的第 2 自变量。
81500020		第 3 自变量非法。	1	第 3 自变量非法。	请修改程序的第 3 自变量。
81500021		第 4 自变量非法。	1	第 4 自变量非法。	请修改程序的第 4 自变量。
81500022		第 5 自变量非法。	1	第 5 自变量非法。	请修改程序的第 5 自变量。
81500023		第 6 自变量非法。	1	第 6 自变量非法。	请修改程序的第 6 自变量。
81500024		第 7 自变量非法。	1	第 7 自变量非法。	请修改程序的第 7 自变量。
81500025		第 8 自变量非法。	1	第 8 自变量非法。	请修改程序的第 8 自变量。
81500026		第 9 自变量非法。	1	第 9 自变量非法。	请修改程序的第 9 自变量。
81500027		第 10 自变量非法。	1	第 10 自变量非法。	请修改程序的第 10 自变量。

错码	RC7 编码	信息	等级	说明	恢复处理
81500028		IP 地址非法。	1	指定的 IP 地址非法。	请修改 IP 地址的指定。
81500029	2031	文件未找到。	1	文件未找到。	请修改文件的指定。
8350002A		正在使用的程序中有语法错误。	3	正在使用的程序中有语法错误。启动控制器电源时，处于使用状态的程序自动进行语法检查。	修正有语法错误的程序。或者请避开有语法错误的程序所使用的检查。
8350002B	3A00	错误数量超过 100，中止语法检查。	3	错误数量超过 100，中止语法检查。	修正有语法错误的程序。或者请避开有语法错误的程序所使用的检查。
8350002C		已停止所有程序。	3	删除和变更文件时，存在任务状态不是“停止中”的程序，因此所有的程序已停止初始化。	请停止程序后再执行。
8350002D		已停止特权任务。	3	在未停止特权任务的状态下，已删除和变更文件，因此停止了特权任务。	请停止特权任务后后再执行。
8350002E		已停止操作盘任务。	3	在未停止操作盘任务的状态下，已删除和变更文件，因此停止了操作盘任务。	请停止操作盘任务后后再执行。
8350002F		对标题文件无法执行的操作。	3	对标题文件，进行了不能执行的操作。	请勿对标题文件操作。
83500030	73C1	不能进一步设定停止点	3	已设定超过上限数的断点。	请解除不必要的停止点之后，再次进行重设。
83500031		已超过程序登录数量。	3	已超过能够登录的程序的最大数。	请修改程序、减少程序的数量。
83500032	73EE	已超过最大任务数量，无法启动。	3	已超过能够同时启动的程序的最大数。	请修改程序、减少同时启动的程序的数量。
85500033		备份数据异常。	5	备份的数据发生异常。	请向本公司售后服务部门联系。
83500034		GoSub 与 Return 的对应非法。	3	GoSub 与 Return 的对应非法。	请修改程序。
85500035		机器人控制器初始化异常。	5	在机器人控制器电源的启动处理时发生异常。	能够从比机器人控制器初始化异常更早的错误 Log 中确定原因时，请排除原因。不能确定原因时，请联系本公司服务部门。
81500036		存在同名的文件。	1	存在同名的文件或者目录，因此无法操作。	请修改文件或者目录名。
83500037		未定义错误。	3	发生未定义的错误。	请向本公司售后服务部门联系。
81500038		机器人轴中包含的轴不能设定。	1	机器人轴中包含的轴不能设定。只能对附加轴设定。	请对附加轴设定。

错码	RC7 编码	信息	等级	说明	恢复处理
80500039		未能存放区域干扰位置。	0	对区域检测位置的 P 型变量的保存失败。	请修改区域设定，更改 P 型变量的编号，或者增加 P 型变量的数量。
8050003A		在程序运行时不能执行。	0	执行了程序运行时不能进行的处理。	请勿在程序运行时执行。
8150003B	3C37	为不适于程序名的文件名。	1	文件名或者文件夹名是程序不能处理的不恰当的名称。	请修改文件名或者文件夹名。
8350003C		未找到传输文件。	3	欲接收控制器上不存在的文件。	请修改程序的文件接收处理。
8350003D		依据文件已变更，无法执行。	3	依据文件已变更，无法执行。	请对处于依赖关系的程序进行语法检查。
8350003E		Detect 功能中不能使用指定端口。	3	Detect 功能中不能使用的端口编号被指定。	请指定 Mini I/O 通用输入或者 Hand I/O 输入。 此外，设定为模拟输入时，请解除模拟输入。
8350003F		在其它的程序中指定端口被 DetectOn。	3	通过不同程序的 DetectOn 指令，指定相同端口编号、相同检测方向。	请修改 DetctOn 指令的端口编号以及检测方向。
83500040		指定已超出了通用变量的范围。	3	指定已超出通用变量的范围。	请修改指定，以确认是否增加全局变量的大小。
81500041		字符串的长度超过 255 个字节。	1	已将超出限制的 256 个字节以上数据代入字符串型的通用变量中。	请修改程序，以保证在 255 个字节内处理。
83500042		已经获取机械臂组。	3	已经获取指定的编号与不同编号的机械臂组。	通过 GiveArm 开放后，请获取其他编号的机械臂组。
80500043		已中断自动调节的处理。	0	自动调整时，已输入停止处理，因此中断处理。	请再次执行自动调节。
80500044		该行不能执行指定行。	0	指定了无法开始执行程序的行。	请指定其他行。
80500045		已复位程序。	0	在程序未停止的状态下，在执行中的函数外进行了 JUMP 执行行，因此程序已复位。	启动程序时，从开头行开始执行。
80500046		已中断语法检查。	0	已中断语法检查。	请重新进行语法检查。
80500047		电机 ON 次数已超出界限值。	0	电机 ON 次数已超出界限值。	请准备更换电机。
80500048		程序的属性文件发生异常。	0	管理程序的属性的文件发生异常。	请重新接通电源。已对优先次序与使用/未使用的标志进行了初始化，因此请重新设定。
85500049		不存在有效的 VRC 实例。	5	AddController 的调用非法。	请修改 AddController 的连接参数。
8350004A		检查和数异常。	3	读取数据时检测出检查和数的异常。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
8350004B	77E5	这是不是有效设定的轴。	3	不能对无效的轴操作。	请勿对无效的轴进行操作，或者将轴设为有效后再重新操作。
8350004C		轴被重复设定。	3	在链接信息中，欲设定通过其他的编号设定的轴。	设定时请避免其他编号与轴重复。
8050004D		编辑的程序的断点已被解除。	0	编辑的程序的断点已被解除。	需要设定断点时，请重新设定。
8550004E		已执行停止所有程序的处理，但是部分程序经过一定时间后仍不停止。	5	已执行停止所有程序的处理，但是部分程序经过一定时间后仍未停止。	请重新接通电源。
8050004F		COM 编号重复。	0	COM 的编号与其他的设定重复。	请设为不重复的编号。
83500050		文件传输失败。	3	读取记录装置失败。	重新接通电源后请重新执行。
83500051		文件传输失败。	3	读取传输数据失败。	重新接通电源后请重新执行。
81500052	2261	在记录装置上写入失败。	1	写入记录装置失败。	重新接通电源后请重新执行。
81500053		变量的索引超出范围。	1	已按照超出变量范围的 Index，访问了变量。	请在变量的范围内指定 Index。
85500054		编码器的版本不同。	5	未正确地设定编码器的版本。	请向本公司售后服务部门联系。
80500055		操作盘任务已停止。	0	操作盘任务内发生错误，因此操作盘任务已停止。	需要启动操作盘任务，因此请关闭操作盘、并重新打开。
83500056		在保存控制 Log 时不能执行。	3	保存控制 Log 时进行了不能执行的操作。	保存控制 Log 结束后，请重新执行。
83500057		保存伺服 Log 时不能执行。	3	伺服 Log 时进行了不能执行的操作。	保存伺服 Log 结束后，请重新执行。
85500058		控制器与机器人型号不一致。	5	欲连接至不同的机器人型号。	请向本公司售后服务部门联系。
83500059		不能启动操作盘任务。	3	启动操作盘时发生错误。	请修改操作盘文件。
8050005A		操作盘任务处于停止状态。	0	相应的操作盘任务处于停止状态。	请启动相应的操作盘任务。
8050005B		不能启动操作盘任务。	0	启动操作盘时发生错误。	请修改操作盘文件。
8050005C		直接模式已解除。	0	已进行解除直接模式的操作，因此直接模式已解除。	继续使用直接模式时，请重新执行直接模式。
8350005D		这是操作盘任务专用命令。	3	只能在操作盘任务（*.pns）中执行的命令。	请修改程序。
8350005E		对操作盘任务不能执行的命令。	3	对操作盘任务（*.pns），不能执行 Run、Kill、Suspend 命令。	请修改程序。
8350005F		不能变更该属性。	3	已变更的属性不能从程序变更。	由程序指定的属性不能变更。请修改程序。

错码	RC7 编码	信息	等级	说明	恢复处理
83500060		该机器人型号不能指定 CP 动作 (L、C、S)。	3	该机器人型号不能指定 CP 动作 (L、C、S)。	请修改程序。
83500061		该机器人型号不能指定 TOOL 模式。	3	在该机器人型号下，通过手动运行不能指定 TOOL 模式。	请在非 TOOL 模式下手动运行。
83500062		该机器人型号不能指定 X-Y 模式。	3	在该机器人型号下，通过手动运行不能指定 X-Y 模式。	请在非 X-Y 模式下手动运行。
83500063		该机器人型号不能移动 P 型变量。	3	该机器人型号不能移动 P 型变量。	请在非 P 型变量时运行。
83500064		该机器人型号不能移动 T 型变量。	3	该机器人型号不能移动 T 型变量。	请在非 T 型变量时运行。
85500065		已连接 A1、A2 的机器人。不能运行。	5	需要改造机器人。请向本公司售后服务部门联系。	改造机器人后，请以 "设定"—"登录" 的 "专家" 级别登录，然后通过 [F2:机械臂] —[F12:维护]—[F2:编码器] 进行 [F12:连接机器人] 处理。不改造机器人就进行[连接机器人]时，性能将被限制。
83500066		该机器人型号不能执行 Rotate、RotateH 指令。	3	该机器人型号不能执行 Rotate、RotateH 指令。	请修改程序，避免使用 Rotate、RotateH。
81500067		生成项目一览时不能执行。	1	生成项目一览时不能执行。	生成项目一览后请重新执行。
81500068		传输项目时 [RC->USB] 不能执行。	1	传输项目时 [RC->USB] 不能执行。	传输完项目后，请重新执行 [RC->USB]。
81500069		传输项目时 [USB->RC] 不能执行。	1	传输项目时 [USB->RC] 不能执行。	传输完项目后，请重新执行 [USB->RC]。
8150006A		删除项目时不能执行。	1	删除项目时不能执行。	删除项目后请重新执行。
8150006B		编辑程序时不能执行。	1	编辑程序时不能执行。	编辑程序后请重新执行。
8150006C		项目没有互换性，不能传输 [USB->RC]。	1	项目没有互换性，不能传输 [USB->RC]。	请在有互换性的项目上重新执行。
8150006D		文件未找到。(FRAM.dat)	1	文件未找到。	生成文件后 (FRAM.dat)，请重新执行。
8350006E		连接机器人时不能执行	3	在连接机器人时进行了不能执行的操作。	机器人连接结束后，请重新执行。
8150006F		检测出操作盘事件的调用超时。	1	对操作盘操作后，在调用实际的事件之前需要一些时间。	请修改调用延迟的事件处理。 请根据需要修改 Panel 的 Timerout 设定。

错码	RC7 编码	信息	等级	说明	恢复处理
80500070		检测出操作盘事件的调用超时，已撤消事件。	0	对操作盘操作后，在调用实际的事件之前需要一些时间。	请修改调用延迟的事件处理。 请根据需要修改 Panel 的 Timerout 设定。
80500071		检测出操作盘事件的调用超时，已撤消所有事件。	0	对操作盘操作后，在调用实际的事件之前需要一些时间。	请修改调用延迟的事件处理。 请根据需要修改 Panel 的 Timerout 设定。
84500072		下次启动时项目替换。	4	下次启动时项目替换。	请重新接通控制器的电源。
84500073		请执行 CALSET	4	未实施 CALSET。	请进行 CALSET。
84500074		CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
81500075		不允许变更机器人型号。	1	不允许变更机器人型号。	请通过 "设定"-"登录"，以"维护" 登录，再点击[F6:设定]-[F8:选项]-[F7:机器人型号变更]，然后将允许机器人型号变更设为[允许]。
83500076		执行 PC 发出的机器人运行指令时，执行了停止处理。	3	执行 PC 发出的机器人运行指令时，执行了停止处理。	请重新执行。
81500077		传输项目时不能执行。	1	传输项目时不能执行。	传输完项目后，请重新执行。
83500078		发生了例外。	3	内部处理时发生例外。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500079		PacScript 正在获取机械臂信号。	3	PacScript 正在获取机械臂信号。	请在 PacScript 未获取机械臂信号量的状态下执行。
8350007A		指定目录不存在。	3	指定目录不存在。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350007B		新建失败。	3	新建目录失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350007C		已经存在文件。	3	欲创建的文件已存在。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350007D		指定的文件不是目录。	3	指定的文件不是目录。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350007E		未能删除文件。	3	未能删除文件。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
8350007F		未能复制文件。	3	未能复制文件。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500080		未能移动文件。	3	未能移动文件。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500081		获取文件内容失败。	3	获取文件内容失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500082		变更文件内容失败。	3	变更文件内容失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500083		获取 CRC 失败。	3	获取 CRC 失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500084		最终更新时间的获取失败。	3	最终更新时间的获取失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500085		获取 WPJ 文件失败。	3	获取 WPJ 文件失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500086		获取选项的字符串失败。	3	获取选项的字符串失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500087		设定 DNS 的地址失败。	3	设定 DNS 的地址失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500088		不能获取 IP 地址。	3	不能获取 IP 地址。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500089		在外壳的执行失败。	3	在外壳的执行失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350008A		设定 CNF 发出的 IP 地址失败	3	设定 CNF 发出的 IP 地址失败	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350008B		不能获取 cifX 激励器的信息。	3	不能获取 cifX 激励器的信息。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
8350008C		不能获取 cifX 系统装置信息。	3	不能获取 cifX 系统装置信息。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350008D		通道 IO 的写入失败。	3	通道 IO 的写入失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350008E		通道 IO 的读取失败。	3	通道 IO 的读取失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350008F		读取通道 IO 的发送数据失败。	3	读取通道 IO 的发送数据失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500090		获取 IO 一览画面的信息失败。	3	获取 IO 一览画面的信息失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500091		更换 CONTEC 的装置信息失败。	3	更换 CONTEC 的装置信息失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500092		获取 Usage/Macro 信息失败。	3	获取 Usage/Macro 信息失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500093		错误 Log 的初始化失败。	3	错误 Log 的初始化失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500094		选项参数的解析失败。	3	选项参数的解析失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500095		获取大小失败。	3	获取大小失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500096		文章整形失败。	3	文章整形失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500097		加密失败。	3	加密失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500098		解密失败。	3	解密失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7编码	信息	等级	说明	恢复处理
83500099		文件的生成失败。	3	文件的生成失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009A		获取 TP 程序一览信息失败。	3	获取 TP 程序一览信息失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009B		操作 Log 的初始化失败。	3	操作 Log 的初始化失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009C		变换控制 LOG 的格式失败。	3	变换控制 LOG 的格式失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009D		发生路径生成的错误失败。	3	发生路径生成的错误失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009E		执行子局 MOVE 失败。	3	执行子局 MOVE 失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
8350009F		追加的数据型号不同。	3	追加的数据型号不同。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500100		写入至 EEPROM 失败。	3	写入至 EEPROM 失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500101		机器人的追加失败。	3	机器人的追加失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500102		初始化变量存储域失败。	3	初始化变量存储域失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500103		未能调整。	3	未能调整。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500104		FRAM 的读取失败。	3	FRAM 的读取失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
80500105		编入对象的初始化失败。	0	编入对象的初始化失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7编码	信息	等级	说明	恢复处理
85500106		初始化变量存储域失败。	5	初始化变量存储域失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
80500107		启动时被编译。	0	未变为电源启动时的编译对象。启动时被自动编译。	若为非电源启动时的编译对象，因会在第 1 次启动时对其进行编译，第 1 次的启动时间将延长。为使其成为电源启动时的编译程序，请使用多功能教导器的 F1 程序，勾选对象程序的前期准备项。
85500108		控制器与机器人型号不一致。(已连接 A1、A2 的机器人。)	5	欲连接至 A1/A2 的机器人型号。	请向本公司售后服务部门联系。
81500109		拒绝访问。	1	有的访问未允许。	请确认访问条件。
8050010A		已将任务内的所有静态变量初始化。	0	任务内的静态变量有变更，因此已将任务内的所有静态变量初始化。	请确认初始化是否影响其他任务的动作。
8150010B		未按照指定端口或者指定的检测方向进行 DetectOn。	1	欲在未设为 DetectOn 的端口或者检测方向设为 DetectOff。	请确认指定端口或检测方向是否因 DetectOn 和 DetectOff 而不同。
8350010C		执行 I/O 发出的机器人运行指令时，执行了停止处理。	3	执行 I/O 发出的机器人运行指令时，执行了停止处理。	请重新执行。
8350010D		I/O 开放了机械臂信号。	3	I/O 开放了机械臂信号。	请重新获取机械臂信号。
8550010E		VRC 的初始化失败。	5	VRC 的初始化失败。	不支持该项目版本。请将该项目更新为最新版本。
8350010F		机器人运行时不能变更工件、工具。	3	欲在机器人运行时变更工件或者工具编号。	请停止控制机器人动作的程序，然后重新执行。
83500110		机器人运行时不能变更内部速度。	3	欲在机器人运行时变更内部速度。	请停止控制机器人动作的程序，然后重新执行。
83500111		附加轴信息的数据不一致。	3	附加轴信息的数据不一致。	请重新编辑项目并再次执行。
83500112		指定任务不能停止。	3	任务保持正在执行的状态。	请手动停止任务，并重新启动。
83500113		获取 ID 失败。	3	获取文件 ID 失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500114		设定 ID 失败。	3	设定文件 ID 失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
83500115		未定义错误。	3	发生未定义的错误。	请向本公司售后服务部门联系。
83500116		发生错误时的处理失败。	3	发生错误时的处理失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500118		变量值的变更失败。	3	变量值的变更失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500119		设定时间失败。	3	最终更新时间的获取失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83500120		向剪贴板输出失败。	3	向剪贴板输出失败。	请重新执行。
83500121		非子局模式时执行了 SlvMove 指令。	3	非子局模式时执行了 SlvMove 指令。	请在设定为子局模式后执行。
83500122		不能通过 ArchMove 指定速度系统运行选项。	3	不能通过 ArchMove 指定速度系统运行选项。	请修改程序中的 ArcMove 的动作选项是否由速度系指定。
83500123		指定角度触发器输出功能中不能使用指定端口。	3	指定角度触发器输出功能中不能使用的端口编号被指定。	请指定 Mini I/O 通用输出或者 Hand I/O 输出。
83500124		许可证追加失败。	3	许可证登录失败。	请在确认许可证密匙无误后重新执行。
83500125		许可证删除失败。	3	许可证删除失败。	请在确认许可证密匙无误后重新执行。
83500126		许可证未登录。	3	许可证未登录。	请登录许可证。
83500127	2003	数值超出范围。	3	自变量的值不在可获取的范围内。	请修改程序，将自变量变更为可以取得的值。
83500128		You cannot use RC7 project.	3	You cannot use RC7 project.	Use RC8 project.
83500129		The database is read-only.	3	The database is read-only.	Change the database from read-only to writable.
8350012A		Instantaneous-stop has been executed during TrackStart execution.	3	Instantaneous-stop has been executed during TrackStart execution.	When TrackStart is running, if a Lv1 or Lv2 error process or instantaneous-stop process occurs, the program is Reset-stopped. Restart from the beginning of the program.
8350012B		The specified TrackStart has been already started.	3	The specified TrackStart has been already started.	Revise the program.
8350012C		TrackStart has not been executed.	3	TrackStart has not been executed.	Revise the program.
8150012D		Timeout period has passed.	1	Timeout period has passed.	Revise the process, and set the timeout duration longer if necessary.

错码	RC7 编码	信息	等级	说明	恢复处理
8350012E		Processing has been Step-stopped during TrackStart execution.	3	Processing has been Step-stopped during TrackStart execution.	Restart the program from the top.
8350012F		Processing has been Step-started during TrackStart execution.	3	Processing has been Step-started during TrackStart execution.	Do not execute Step-start during TrackStart execution.
83500130		Stop-processing has been performed during TrackTargetPos execution,	3	Stop-processing has been performed during TrackTargetPos execution,	Execute the robot motion command again.
81500131		Same file name exists.	1	When a file name is “Pro***.x” (*** stands for a numerical sequence,x stands for extension such as pcs, pac, pns) format, the zeros at the head of the numerical sequence are ignored. For example, Pro001.pcs is regarded as identical with Pro1.pcs.	Change the file name.
81500132		Controller ID is the default value.	1	Controller ID is the default value.	Send BackupData from WINCAPS again.
81500133		Stop-processing has been executed during the provide running.	1	Execution has been canceled because stop-process occurs while a provider is running. (Emergency-stop, error occurrence, mode switching, Protective-stop, Enable-auto signal, etc.)	Restart the program.
81500134		Undefined arm group.	1	Undefined arm group was specified.	Specify an arm group number that have been defined.
83500135		Failed to take the extended-joint semaphore.	3	A task that does not have extended-joint semahore tried to execute extended-joint command.	Take extended-joint semaphore first, and then execute extended-joint-related command.
83500136		Conveyor is disabled.	3	The conveyor is disabled.	Enable conveyor.
81500137		Invalid conveyor calibration parameter.	1	Invalid conveyor calibration parameter. The following causes are likely. 1. Invalid encoder value of conveyor. 2. Invalid robots coordinates.	Revise encoder value of the conveyor, or revise robots coordinates.
81500138		Invalid vision calibration parameter.	1	Invalid vision calibration parameter. The following causes are likely. 1. Invalid visons coordinates. 2. Invalid robots coordinates.	Revise vision coordinates or revise robots coordinates.
83500139		Unregistered robot accessed work data.	3	Unregistered robot accessed work data.	Register a robot that is allowed to access Work data.

错码	RC7 编码	信息	等级	说明	恢复处理
8350013A		Failed to get Work data.	3	Failed to get Work data. The following causes are likely. 1. Work data were cleared. 2. Work data were out of tracking area.	Revise the program, or revise tracking area.
8350013B		This command is not available for slave robots.	3	This command is not available for slave robots.	Revise the program.
8150013C		Invalid conveyor calibration parameter.	1	Invalid conveyor calibration parameter.	Confirm conveyor calibration parameter in the master controller.
8550013D		Maintenance data is abnormal.	5	Failure occurred in the maintenance data.	Reboot the controller.
8350013E		This command is not available during TrackStart execution.	3	This command is inavailable during TrackStart execution.	Revise the program.
8350013F		Failed to connect b-CAP.	3	b-CAP connection was failed. b-CAP communication setting might have a problem.	Revise b-CAP communication setting.
81500140		Force command timeout error	1	Timeout occurred during the force control condition standby.	Revise the force control standby conditions.
83500141		Synchronous semaphore generation error	3	Failed to generate the synchronous semaphore.	
81500142		CAO providor name is incorrect.	1	CAO access providor name is incorrect.	
81500143		Failed to obtain the computer name	1	Failed to obtain the computer name	
81500144		Specified variable type is not supported by VARIANT.	1	Specified variable type is not supported by VARIANT type.	
81500145		Corresponding object was not found.	1	Corresponding object was not found.	
81500146		This has been already registered in the collection.	1	This has been already registered in the collection.	
81500147		Failed to generate worker thread.	1	Failed to generate worker thread.	
81500148		Failed to access the remote CAO server	1	Failed to access the remote CAO server	
81500149		Failed to access the remote CAO provider.	1	Specified variable type is not supported by VARIANT type.	
8150014A		Impossible to write data.	1	You cannot write data.	
8150014B		Command is under execution.	1	A command is under execution.	
8150014C		The specified provider is not licensed.	1	The specified provider is not licensed.	
8150014D		Failed to preload CRD.	1	Failed to preload CRD.	

错码	RC7 编码	信息	等级	说明	恢复处理
8150014E		Invalid CRD file.	1	Improper CRD file.	
8150014F		Invalid system name	1	Invalid system name	
81500150		Invalid system type name	1	Invalid system type name	
81500151		Timeout period has passed.	1	Timeout period has passed.	
81500152		No license.	1	No license.	
81500153		Connection has not been established.	1	Connection has not been established.	
81500154		Fatal error	1	Unexpected error occurred.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
81500155		Not implemented.	1	Unexpected operation was executed.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
83500156		Insufficient memory	3	Currently used memory capacity in the controller exceeded the upper limit.	Take following actions. 1. Delete unnecessary tasks. 2. Reduce local variable number. 3. Reduce VM stack size setting, and then restart the task.
81500157		Invalid parameter.	1	Specified parameter is invalid.	Revise the value, type and range of the parameter, and change to the appropriate value.
81500158		Unsupported interface.	1	Specified parameter is invalid.	Revise the value, type and range of the parameter, and then change to the appropriate value.
81500159		Invalid pointer.	1	Unexpected operation was executed.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
8150015A		Invalid handle.	1	Unexpected operation was executed.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
8350015B		Operation aborted.	3	Processing operation is forcibly aborted.	If error occurs, clear the error. Reboot the controller.
8150015C		The data necessary to complete this operation has not been available.	1	Failed to execute the process because the data preparation has not been completed.	Save the program and recreate the task. If the problem still occurs, reboot the controller.
8150015D		ForceWaitCondition cannot be called from multiple programs.	1	ForceWaitCondition cannot be called from multiple programs.	Modify the program so that ForceWaitCondition is not executed from multiple programs simultaneously.
8150015E		Failed to execute GenerateNonStopPath command.	1	Failed to execute GenerateNonStopPath command.	For the detailed information, please confirm the OriginalNumber.
8150015F		Impossible to update maintenance data	1	Failure occurred in the process of updating the maintenance data.	Reboot the controller. If error still occurs, please contact to DENSO WAVE service.
83500160		Motor-ON processing timeout.	3	Motor-on timeout occurred in the waiting for completion.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.

错码	RC7 编码	信息	等级	说明	恢复处理
83500161		Motor-OFF processing timeout.	3	Motor-OFF timeout occurred in the waiting for completion.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
83500162	25E2	Communication error with PC (disconnection detected)	3	This error occurs if a communications delay occurrs between PC and the controller when a PC switches the robot controller to Debug mode.	Check whether the Ethernet cable is not damaged. Or connect the PC directly to the robot controller using a crossover cable, not via the network, and then try it again.
80500163		Failed to connect to the wiring check.	0	Error in the wiring check connection between PC and controller has occurred.	Complete other wiring check processing, and then try it again.
80500164		You cannot execute in debug mode	0	This operation is not allowed in Debug mode.	Cancel Debug mode and try it again.
83500165	25E1	Debug mode was released	3	Debug mode has been canceled. This error occurs when Debug mode of the controller is released.	Remove this error with the Teach-pendant, mini-pendant, or external equipment.
83500166		Panel task has stopped	3	Panel task has stopped when Debug mode of the controller was released.	Re-open the Panel task.
85500167		I/O setting error.	5	I/O Port Map and Allocation mismatch.	Set the I/O allocation mode in WINCAPSIII, and then send the project again.
83500168		You cannot use Time option in this command.	3	Command you executed with Time option is not allowed to specify Time option.	Delete Time option and then try again.
83500169		You cannot use Ex- or ExA-option in this command.	3	Command you executed with Ex- or ExA-option is not allowed to specify Ex- or ExA-option.	Delete Ex-option or ExA-option and then try again.
83500170		Command is not executable in the current version.	3	Command is not executable in the current version.	Contact to DENSO WAVE service.
80500171		Page change of Panel was cancelled.	0	You cannot change the page while the Panel is closed.	Close the Panel, and then retry the page change.
81500172		Selected joint cannot be reset.	1	Selected joint canot be reset.	Select different joint for resetting.
81500173		Command isn't executable in acquisition mode.	1	Command isn't executable in acquisition mode.	Switch to the judgment mode, and then try again.
83500174		Interference check of WINCAPSIII finished.	3	Interference check of WINCAPSIII finished.	Enable WINCAPSIII interference check function again. Please check the connection to the PC if there is no improvement.
83500175		WINCAPSIII detects inteference.	3	Interference has been detected in the interference check of WINCAPSIII	Check the interference points and then change the behavior to avoid interference.
83500176		Command-Slave turned to be Disabled.	3	Enable state of the command-slave has been released.	Check whether no error is occured, or whether Emergency-stop have not been entered. After confirmation, run the program from the top again.

错码	RC7 编码	信息	等级	说明	恢复处理
81500177		This operation is not available while b-CAP Slave is enabled.	1	Operation that is prohibited in the b-CAP Slave function-enabled condition was executed.	Select "Setting" - "Login" and login the controller with "Maintainer" level, disable the b-CAP Slave function, and then try again.
83500178		You cannot execute this operation while Emergency-stop is ON	3	You tried to execute operation that is prohibited while the Emergency-stop is ON.	Turn OFF the Emergency-stop and then retry.
81500179		Transferred data is invalid.	1	Transferred data is invalid.	Revise the transferred data.
8550017A		Connection with the 1st robot was failed.	5	Connection with the 1st robot was failed.	Check the IP address of the slave controllers. Make sure that the IP address of all unused slave controllers are set to "0.0.0.0". After you confirm the IP addresses, reboot the slave controllers and the master controller again.
8550017B		Connection with the 2nd robot was failed.	5	Connection with the 2nd robot was failed.	Check the IP address of the slave controllers. Make sure that the IP address of all unused slave controllers are set to "0.0.0.0". After you confirm the IP addresses, reboot the slave controllers and the master controller again.
8550017C		Connection with the 3rd robot was failed.	5	Connection with the 3rd robot was failed.	Check the IP address of the slave controllers. Make sure that the IP address of all unused slave controllers are set to "0.0.0.0". After you confirm the IP addresses, reboot the slave controllers and the master controller again.
8550017D		The project of the 1st Robot is invalid.	5	The project of the 1st Robot is invalid.	Recreate the project and try again.
8550017E		The project of the 2nd Robot is invalid.	5	The project of the 2nd Robot is invalid.	Recreate the project and try again.
8550017F		The project of the 3rd Robot is invalid.	5	The project of the 3rd Robot is invalid.	Recreate the project and try again.
85500180		World coordinate is not licensed.	5	Since World coordinate is not licensed, you cannot use the Base number other than 0.	Register the license of World coordinate.
85500181		Cooperative control is not licensed.	5	Since the cooperative control is not licensed, you cannot use controllers as "master controller" and "slave controller".	Register the license of cooperative control, and then change the settings.
83500182		In cooperative control, you cannot use the ArchMove.	3	ArchMove is not available during Cooperative control operation.	Revise the program.

错码	RC7 编码	信息	等级	说明	恢复处理
85500183		The master license of the Cooperative control is not registered.	5	Since the master license of cooperative control is not registered, you cannot use a controller as ″master controller″ .	Register the master license of cooperative control, and then change the settings.
85500184		The slave license of the Cooperative control is not registered.	5	Since the slave license of cooperative control is not registered, you cannot use a controller as ″slave controller″ .	Register the slave license of cooperative control, and then change the settings.
83500185		This command is not executable from PC to slave controllers.	3	You tried to execute a command that is not executable from PC to slave controllers.	Do not execute this command to the slave controller.
85500186		Data of the slave controller has been updated.	5	Data of the slave controller has been updated.	Reboot the slave controller and the master controller.
81500187		Robot number is invalid.	1	Robot number that you have specified is invalid.	Revise the program.
83500188		Failed to motor power ON.	3	Motor was turned ON in the Motor-ON prohibited condition.	Check if there is no errors, or whether if Emergency-stop is not input.
83500189		SyncTimeEnd was not executed.	3	SyncTimeEnd was not executed after the execution of SyncTimeStart .	Revise the program.
83500190		SyncMoveEnd was not executed.	3	SyncMoveEnd was not executed after the execution of SyncMoveStart.	Revise the program.
83500191		SyncTimeStart was not executed before SyncTimeEnd execution.	3	SyncTimeStart was not executed before SyncTimeEnd execution.	Revise the program.
83500192		SyncMoveStart was not executed befor SyncMoveEnd execution.	3	SyncMoveStart was not executed befor SyncMoveEnd execution.	Revise the program.
83500193		Failed to motor power ON.	3	An error with Lv3 or higher occurred or an Emergency stop input turned on when the motor power turned ON.	Check if there is no errors, or whether if Emergency-stop is not input.

错码	RC7 编码	信息	等级	说明	恢复处理
83500194		Motor-ON processing timeout.	3	Motor-on timeout occurred while the waiting of Motor-ON completion.	Check the connection of safety signals between the master controller and the slave controller. RC8 Standard Specification – Check the connection of the contactor monitor output signal of master controller and the enable-auto input signal of slave controller. RC8A Safety Motion Specification or RC8A Standard Specification – Check connections of the STO monitor output signal of master controller and the external emergency stop input signal of slave controller, and the auto move mutual monitoring output signal of master controller and the enable-auto input signal of slave controller. RC8 Safety I/O Less Specification or RC8A Safety I/O Less Specification – Check the connection of the pendant emergency stop output singnal of master controller and the external emergency stop input signal of slave controller, and the short-circuit of the enable-auto input signal of slave controller.
85500195		Faild to initialize the 1st Robot on the Cooperative control.	5	Failed to synchronization with Robot1.	Check the setting of the slave controllerIP[Robot1].
85500196		Faild to initialize the 2nd Robot of Cooperative control.	5	Failed to synchronization with Robot2.	Check the setting of the slave controllerIP[Robot2].
85500197		Faild to initialize the 3rd Robot of Cooperative control.	5	Failed to synchronization with Robot3.	Check the setting of the slave controllerIP[Robot3].
85500198		Faild to initialize the Cooperative control.	5	Faild to initialize the Cooperative control.	Check the setting of the master controller.
83500199		Failed to save data to the slave controller.	3	Unable to save the data to the slave controller.	Check the connection of Ethernet between slave controller and the master controller. After confirmation, reboot the slave controller and the master controller.
8550019A		Teach pendant is connected to the slave controller.	5	Teach pendant is connected to the slave controller.	For the slave controllers, connect a pendant-less dummy connector.
8350019B		This command is not available for slave controllers.	3	This command is not available for slave controllers.	Revise the program.

错码	RC7 编码	信息	等级	说明	恢复处理
8550019C		You cannot use DHCP for communication settings in the slave controller.	5	You cannot use DHCP for communication settings in the slave controller.	Use fixed IP address for the communication settings of the slave controller.
8350019D		The version of controller is different between master controller and slave controller.	3	The version of controller is different between the master controller and the slave controller.	Match the version of the master controller and the slave controller.
8550019E		The version of controller is different between master controller and slave controller(Robot1).	5	The version of controller is different between master controller and slave controller(Robot1).	Match the version of the master controller and the slave controller(Robot1).
8550019F		The version of controller is different between master controller and slave controller(Robot2).	5	The version of controller is different between master controller and slave controller(Robot2).	Match the version of the master controller and the slave controller(Robot2).
85500200		The version of controller is different between master controller and slave controller(Robot3).	5	The version of controller is different between master controller and slave controller(Robot3).	Match the version of the master controller and the slave controller(Robot3).
85500201		The version of controller is different between master controller and slave controller.	5	The version of controller is different between master controller and slave controller.	Match the version of the master controller and the slave controller.
85500202		Failed to read Robot1 data of the Cooperative control function.	5	Failed to read Robot1 data of the Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.
85500203		Failed to read Robot2 data of the Cooperative control function.	5	Failed to read Robot2 data of the Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.
85500204		Failed to read Robot3 data of the Cooperative control function.	5	Failed to read Robot3 data of the Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.
85500205		Failed to receive Robot1 data of Cooperative control function.	5	Failed to receive Robot1 data of Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.
85500206		Failed to receive Robot2 data of Cooperative control function.	5	Failed to receive Robot2 data of Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.
85500207		Failed to receive Robot3 data of Cooperative control function.	5	Failed to receive Robot3 data of Cooperative control function.	Reboot the Master and Slave controllers. If the error still occurs, please contact to DENSO WAVE service.

错码	RC7 编码	信息	等级	说明	恢复处理
85500208		Slave controlelr (Robot1) for the Cooperation control function is not configured as "Slave controller 1".	5	Slave controlelr (Robot1) for the Cooperation control function is not configured as "Slave controller 1".	With a teach pendant, from the Cooperation controller configuration, select Slave controller 1. After setting, please reboot the slave controller and the master controller.
85500209		Slave controlelr (Robot2) for the Cooperation control function is not configured as "Slave controller 2".	5	Slave controlelr (Robot2) for the Cooperation control function is not configured as "Slave controller 2".	With a teach pendant, from the Cooperation controller configuration, select Slave controller 2. After setting, please reboot the slave controller and the master controller.
8550020A		Slave controlelr (Robot3) for the Cooperation control function is not configured as "Slave controller 3".	5	Slave controlelr (Robot3) for the Cooperation control function is not configured as "Slave controller 3".	With a teach pendant, from the Cooperation controller configuration, select Slave controller 3. After setting, please reboot the slave controller and the master controller.
8550020B		Failed to connect to the master controller in Cooperative control function.	5	Failed to connect to the master controller in Cooperative control function.	Check the connection of Ethernet between slave controller and the master controller. After confirmation, reboot the slave controller and the master controller.
8550020C		Failed to register the master controller(Robot1) in Cooperative control function.	5	Failed to register the master controller(Robot1) in Cooperative control function.	Check the setting of the slave controllerIP[Robot1].
8550020D		Failed to register the master controller(Robot2) in Cooperative control function.	5	Failed to register the master controller(Robot2) in Cooperative control function.	Check the setting of the slave controllerIP[Robot2].
8550020E		Failed to register the master controller(Robot3) in Cooperative control function.	5	Failed to register the master controller(Robot3) in Cooperative control function.	Check the setting of the slave controllerIP[Robot3].
8150020F		Command is not executable during EasyBackup execution.	1	Command is not executable during EasyBackup execution.	Retry after EasyBackup.
83500210		IP Address of the expanded ethernet board is duplicated.	3	IP Address of the expanded ethernet board is duplicated. The setting of the expanded ethernet board was changed to DHCP.	Change the IP address so that it does not duplicated with the communication settings.
85500211		For Cooperative control function, slave controller's IP address is entered below the invalidated slave controller's IP address (0.0.0.0).	5	You cannot enter valid IP address after the invalidated slave controlelr's IP address (0.0.0.0) in Cooperative control function.	Modify the IP address settings so that valid slave controller's IP address is not entered below the invalid slave controller's IP addresss. Once you change the settings, reboot the slave and master controllers.

错码	RC7 编码	信息	等级	说明	恢复处理
83500212		Robot number you specified in the motion command is not the robot number of the leader robot.	3	Robot number you specified in the motion command is not the robot number of the leader robot.	Revise the program.
83500213		Number of motion command is invalid.	3	Number of motion command is invalid.	Revise the program.
83500214		Robot number specified by Start command and End command are different.	3	Robot number specified by Start command and End command are different.	Revise the program.
83500215		Motion command that includes Robot number specified by Start command is not exist.	3	Motion command that includes Robot number specified by Start command is not exist.	Revise the program.
83500216		Incorrect license is entered.	3	Incorrect license is entered.	Check the license and then retry.
83500217		This license is time-limited. You cannot delete it.	3	This license is time-limited. You cannot delete it.	Check the license.
83500218		An error occurred by adding or deleting the license.	3	An error occurred by adding or deleting the license.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
85500219		Failed to initialize the Exclusive control.	5	Failed to initialize the Exclusive control.	Check the configuration of Exclusive control.
8550021A		Failed to initialize the Exclusive control for the controller of Exclusive control IP (0).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (0).	Check the configuration of "Exclusive control IP(0)".
8550021B		Failed to initialize the Exclusive control for the controller of Exclusive control IP (1).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (1).	Check the configuration of "Exclusive control IP(1)".
8550021C		Failed to initialize the Exclusive control for the controller of Exclusive control IP (2).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (2).	Check the configuration of "Exclusive control IP(2)".
8550021D		Failed to initialize the Exclusive control for the controller of Exclusive control IP (3).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (3).	Check the configuration of "Exclusive control IP(3)".
8550021E		Failed to initialize the Exclusive control for the controller of Exclusive control IP (4).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (4).	Check the configuration of "Exclusive control IP(4)".
8550021F		Failed to initialize the Exclusive control for the controller of Exclusive control IP (5).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (5).	Check the configuration of "Exclusive control IP(5)".

错码	RC7 编码	信息	等级	说明	恢复处理
85500220		Failed to initialize the Exclusive control for the controller of Exclusive control IP (6).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (6).	Check the configuration of "Exclusive control IP(6)".
85500221		Failed to initialize the Exclusive control for the controller of Exclusive control IP (7).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (7).	Check the configuration of "Exclusive control IP(7)".
85500222		Failed to initialize the Exclusive control for the controller of Exclusive control IP (8).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (8).	Check the configuration of "Exclusive control IP(8)".
85500223		Failed to initialize the Exclusive control for the controller of Exclusive control IP (9).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (9).	Check the configuration of "Exclusive control IP(9)".
85500224		Failed to initialize the Exclusive control for the controller of Exclusive control IP (10).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (10).	Check the configuration of "Exclusive control IP(10)".
85500225		Failed to initialize the Exclusive control for the controller of Exclusive control IP (11).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (11).	Check the configuration of "Exclusive control IP(11)".
85500226		Failed to initialize the Exclusive control for the controller of Exclusive control IP (12).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (12).	Check the configuration of "Exclusive control IP(12)".
85500227		Failed to initialize the Exclusive control for the controller of Exclusive control IP (13).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (13).	Check the configuration of "Exclusive control IP(13)".
85500228		Failed to initialize the Exclusive control for the controller of Exclusive control IP (14).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (14).	Check the configuration of "Exclusive control IP(14)".
85500229		Failed to initialize the Exclusive control for the controller of Exclusive control IP (15).	5	Failed to initialize the Exclusive control for the controller of Exclusive control IP (15).	Check the configuration of "Exclusive control IP(15)".
8550022A		The version of controller is different between the controller which set exclusive control .	5	The version of controller is different between the controller which set exclusive control .	Match the version of controller between controller which set exclusive control.
8550022B		The version of controller is different from the controller which set exclusive control IP(0).	5	The version of controller is different from the controller which set exclusive control IP(0).	Match the version of controller with the controller which set exclusive control IP(0).

错码	RC7编码	信息	等级	说明	恢复处理
8550022C		The version of controller is different from the controller which set exclusive control IP(1).	5	The version of controller is different from the controller which set exclusive control IP(1).	Match the version of controller with the controller which set exclusive control IP(1).
8550022D		The version of controller is different from the controller which set exclusive control IP(2).	5	The version of controller is different from the controller which set exclusive control IP(2).	Match the version of controller with the controller which set exclusive control IP(2).
8550022E		The version of controller is different from the controller which set exclusive control IP(3).	5	The version of controller is different from the controller which set exclusive control IP(3).	Match the version of controller with the controller which set exclusive control IP(3).
8550022F		The version of controller is different from the controller which set exclusive control IP(4).	5	The version of controller is different from the controller which set exclusive control IP(4).	Match the version of controller with the controller which set exclusive control IP(4).
85500230		The version of controller is different from the controller which set exclusive control IP(5).	5	The version of controller is different from the controller which set exclusive control IP(5).	Match the version of controller with the controller which set exclusive control IP(5).
85500231		The version of controller is different from the controller which set exclusive control IP(6).	5	The version of controller is different from the controller which set exclusive control IP(6).	Match the version of controller with the controller which set exclusive control IP(6).
85500232		The version of controller is different from the controller which set exclusive control IP(7).	5	The version of controller is different from the controller which set exclusive control IP(7).	Match the version of controller with the controller which set exclusive control IP(7).
85500233		The version of controller is different from the controller which set exclusive control IP(8).	5	The version of controller is different from the controller which set exclusive control IP(8).	Match the version of controller with the controller which set exclusive control IP(8).
85500234		The version of controller is different from the controller which set exclusive control IP(9).	5	The version of controller is different from the controller which set exclusive control IP(9).	Match the version of controller with the controller which set exclusive control IP(9).
85500235		The version of controller is different from the controller which set exclusive control IP(10).	5	The version of controller is different from the controller which set exclusive control IP(10).	Match the version of controller with the controller which set exclusive control IP(10).
85500236		The version of controller is different from the controller which set exclusive control IP(11).	5	The version of controller is different from the controller which set exclusive control IP(11).	Match the version of controller with the controller which set exclusive control IP(11).

错码	RC7 编码	信息	等级	说明	恢复处理
85500237		The version of controller is different from the controller which set exclusive control IP(12).	5	The version of controller is different from the controller which set exclusive control IP(12).	Match the version of controller with the controller which set exclusive control IP(12).
85500238		The version of controller is different from the controller which set exclusive control IP(13).	5	The version of controller is different from the controller which set exclusive control IP(13).	Match the version of controller with the controller which set exclusive control IP(13).
85500239		The version of controller is different from the controller which set exclusive control IP(14).	5	The version of controller is different from the controller which set exclusive control IP(14).	Match the version of controller with the controller which set exclusive control IP(14).
8550023A		The version of controller is different from the controller which set exclusive control IP(15).	5	The version of controller is different from the controller which set exclusive control IP(15).	Match the version of controller with the controller which set exclusive control IP(15).
8550023B		Failed to register the controller that is set to Exclusive control IP(0).	5	Failed to register the controller that is set to Exclusive control IP(0).	Check the configuration of "Exclusive control IP(0)".
8550023C		Failed to register the controller that is set to Exclusive control IP(1).	5	Failed to register the controller that is set to Exclusive control IP(1).	Check the configuration of "Exclusive control IP(1)".
8550023D		Failed to register the controller that is set to Exclusive control IP(2).	5	Failed to register the controller that is set to Exclusive control IP(2).	Check the configuration of "Exclusive control IP(2)".
8550023E		Failed to register the controller that is set to Exclusive control IP(3).	5	Failed to register the controller that is set to Exclusive control IP(3).	Check the configuration of "Exclusive control IP(3)".
8550023F		Failed to register the controller that is set to Exclusive control IP(4).	5	Failed to register the controller that is set to Exclusive control IP(4).	Check the configuration of "Exclusive control IP(4)".
85500240		Failed to register the controller that is set to Exclusive control IP(5).	5	Failed to register the controller that is set to Exclusive control IP(5).	Check the configuration of "Exclusive control IP(5)".

错码	RC7 编码	信息	等级	说明	恢复处理
85500241		Failed to register the controller that is set to Exclusive control IP(6).	5	Failed to register the controller that is set to Exclusive control IP(6).	Check the configuration of "Exclusive control IP(6)".
85500242		Failed to register the controller that is set to Exclusive control IP(7).	5	Failed to register the controller that is set to Exclusive control IP(7).	Check the configuration of "Exclusive control IP(7)".
85500243		Failed to register the controller that is set to Exclusive control IP(8).	5	Failed to register the controller that is set to Exclusive control IP(8).	Check the configuration of "Exclusive control IP(8)".
85500244		Failed to register the controller that is set to Exclusive control IP(9).	5	Failed to register the controller that is set to Exclusive control IP(9).	Check the configuration of "Exclusive control IP(9)".
85500245		Failed to register the controller that is set to Exclusive control IP(10).	5	Failed to register the controller that is set to Exclusive control IP(10).	Check the configuration of "Exclusive control IP(10)".
85500246		Failed to register the controller that is set to Exclusive control IP(11).	5	Failed to register the controller that is set to Exclusive control IP(11).	Check the configuration of "Exclusive control IP(11)".
85500247		Failed to register the controller that is set to Exclusive control IP(12).	5	Failed to register the controller that is set to Exclusive control IP(12).	Check the configuration of "Exclusive control IP(12)".
85500248		Failed to register the controller that is set to Exclusive control IP(13).	5	Failed to register the controller that is set to Exclusive control IP(13).	Check the configuration of "Exclusive control IP(13)".
85500249		Failed to register the controller that is set to Exclusive control IP(14).	5	Failed to register the controller that is set to Exclusive control IP(14).	Check the configuration of "Exclusive control IP(14)".
8550024A		Failed to register the controller that is set to Exclusive control IP(15).	5	Failed to register the controller that is set to Exclusive control IP(15).	Check the configuration of "Exclusive control IP(15)".
8550024B		The controller specified in Exclusive control IP(0) is not set as a slave controller.	5	The controller specified in Exclusive control IP(0) is not set as a slave controller.	For the controller of Exclusive control IP(0), set the "Exclusive control controller configuration"parameter to "Slave controller".
8550024C		The controller specified in Exclusive control IP(1) is not set as a slave controller.	5	The controller specified in Exclusive control IP(1) is not set as a slave controller.	For the controller of Exclusive control IP(1), set the "Exclusive control controller configuration"parameter to "Slave controller".

错码	RC7 编码	信息	等级	说明	恢复处理
8550024D		The controller specified in Exclusive control IP(2) is not set as a slave controller.	5	The controller specified in Exclusive control IP(2) is not set as a slave controller.	For the controller of Exclusive control IP(2), set the "Exclusive control controller configuration"parameter to "Slave controller".
8550024E		The controller specified in Exclusive control IP(3) is not set as a slave controller.	5	The controller specified in Exclusive control IP(3) is not set as a slave controller.	For the controller of Exclusive control IP(3), set the "Exclusive control controller configuration"parameter to "Slave controller".
8550024F		The controller specified in Exclusive control IP(4) is not set as a slave controller.	5	The controller specified in Exclusive control IP(4) is not set as a slave controller.	For the controller of Exclusive control IP(4), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500250		The controller specified in Exclusive control IP(5) is not set as a slave controller.	5	The controller specified in Exclusive control IP(5) is not set as a slave controller.	For the controller of Exclusive control IP(5), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500251		The controller specified in Exclusive control IP(6) is not set as a slave controller.	5	The controller specified in Exclusive control IP(6) is not set as a slave controller.	For the controller of Exclusive control IP(6), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500252		The controller specified in Exclusive control IP(7) is not set as a slave controller.	5	The controller specified in Exclusive control IP(7) is not set as a slave controller.	For the controller of Exclusive control IP(7), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500253		The controller specified in Exclusive control IP(8) is not set as a slave controller.	5	The controller specified in Exclusive control IP(8) is not set as a slave controller.	For the controller of Exclusive control IP(8), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500254		The controller specified in Exclusive control IP(9) is not set as a slave controller.	5	The controller specified in Exclusive control IP(9) is not set as a slave controller.	For the controller of Exclusive control IP(9), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500255		The controller specified in Exclusive control IP(10) is not set as a slave controller.	5	The controller specified in Exclusive control IP(10) is not set as a slave controller.	For the controller of Exclusive control IP(10), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500256		The controller specified in Exclusive control IP(11) is not set as a slave controller.	5	The controller specified in Exclusive control IP(11) is not set as a slave controller.	For the controller of Exclusive control IP(11), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500257		The controller specified in Exclusive control IP(12) is not set as a slave controller.	5	The controller specified in Exclusive control IP(12) is not set as a slave controller.	For the controller of Exclusive control IP(12), set the "Exclusive control controller configuration"parameter to "Slave controller".
85500258		The controller specified in Exclusive control IP(13) is not set as a slave controller.	5	The controller specified in Exclusive control IP(13) is not set as a slave controller.	For the controller of Exclusive control IP(13), set the "Exclusive control controller configuration"parameter to "Slave controller".

错码	RC7 编码	信息	等级	说明	恢复处理
85500259		The controller specified in Exclusive control IP(14) is not set as a slave controller.	5	The controller specified in Exclusive control IP(14) is not set as a slave controller.	For the controller of Exclusive control IP(14), set the "Exclusive control controller configuration"parameter to "Slave controller".
8550025A		The controller specified in Exclusive control IP(15) is not set as a slave controller.	5	The controller specified in Exclusive control IP(15) is not set as a slave controller.	For the controller of Exclusive control IP(15), set the "Exclusive control controller configuration"parameter to "Slave controller".
8550025B		Timeout occurred by initialization of exclusive area.	5	Timeout occurred by initialization of exclusive control.	Confirm the setting of exclusive control. Confirm the parameter of "Timeout value for exclusive control initialization".
8350025C		Connection to the master controller was failed.	3	Connection to the master controller was failed.	Confirm IP adress of the master controller, cable connection status and master controller is power on.
8350025D		You cannot open open the project.	3	The project file is being used by WINCAPS3 .	Retry after closing the project.
8350025E		Expanded Ehternet board (1) cannot be detected.	3	Expanded Ehternet board (1) cannot be detected.	Check if the expanded Ethernet board is properly connected to the controller.
8350025F		Expanded Ehternet board (2) cannot be detected.	3	Expanded Ehternet board (2) cannot be detected.	Check if the expanded Ethernet board is properly connected to the controller.
83500260		Conveyor tracking is not licensed.	3	Conveyor tracking is not licensed.	Register the license of Conveyor Tracking.
83500261		Failed to execute Conveyor tracking.	3	Failed to execute Conveyor tracking.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
83500262		Virtual Fence setting is not effective.	3	Virtual Fence setting is not effective.	Enable the Virtual fence setting, and then reboot the controller.
83500263		Virtual Fence is not licensed.	3	Virtual Fence is not licensed.	Register the license of Virtual Fence.
85500264		You cannot set Exclusive control controller from the Slave controller of Cooperative control function.	5	You cannot set Exclusive control controller from the Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500265		The configuration of "Exclusive control IP" and "Exclusive control robot no" is duplicated with other configuration.	5	The configuration of "Exclusive control IP" and "Exclusive control robot no" is duplicated with other configuration.	Check that the configuration of Exclusive control.

错码	RC7 编码	信息	等级	说明	恢复处理
85500266		The IP address of "Exclusive control IP (0)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (0)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500267		The IP address of "Exclusive control IP (1)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (1)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500268		The IP address of "Exclusive control IP (2)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (2)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500269		The IP address of "Exclusive control IP (3)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (3)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
8550026A		The IP address of "Exclusive control IP (4)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (4)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
8550026B		The IP address of "Exclusive control IP (5)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (5)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".

错码	RC7 编码	信息	等级	说明	恢复处理
8550026C		The IP address of "Exclusive control IP (6)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (6)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
8550026D		The IP address of "Exclusive control IP (7)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (7)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
8550026E		The IP address of "Exclusive control IP (8)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (8)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
8550026F		The IP address of "Exclusive control IP (9)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (9)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500270		The IP address of "Exclusive control IP (10)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (10)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500271		The IP address of "Exclusive control IP (11)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (11)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".

错码	RC7 编码	信息	等级	说明	恢复处理
85500272		The IP address of "Exclusive control IP (12)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (12)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500273		The IP address of "Exclusive control IP (13)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (13)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500274		The IP address of "Exclusive control IP (14)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (14)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500275		The IP address of "Exclusive control IP (15)"is set as a Slave controller of Cooperative control function.	5	The IP address of "Exclusive control IP (15)"is set as a Slave controller of Cooperative control function.	Exclude the Slave controller of the Cooperative control from the Exclusive control. With a teach pendant, from "Exclusive control controller configuration", select "0: No setting". With a Master controller of Cooperative control function, perform "Exclusive control controller configuration".
85500276		The robot number that you set as "Robot(0) of Exclusive control is not found.	5	The robot number that you set as "Robot(0) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(0)".
85500277		The robot number that you set as "Robot(1) of Exclusive control is not found.	5	The robot number that you set as "Robot(1) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(1)".
85500278		The robot number that you set as "Robot(2) of Exclusive control is not found.	5	The robot number that you set as "Robot(2) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(2)".
85500279		The robot number that you set as "Robot(3) of Exclusive control is not found.	5	The robot number that you set as "Robot(3) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(3)".

错码	RC7 编码	信息	等级	说明	恢复处理
8550027A		The robot number that you set as "Robot(4) of Exclusive control is not found.	5	The robot number that you set as "Robot(4) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(4)".
8550027B		The robot number that you set as "Robot(5) of Exclusive control is not found.	5	The robot number that you set as "Robot(5) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(5)".
8550027C		The robot number that you set as "Robot(6) of Exclusive control is not found.	5	The robot number that you set as "Robot(6) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(6)".
8550027D		The robot number that you set as "Robot(7) of Exclusive control is not found.	5	The robot number that you set as "Robot(7) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(7)".
8550027E		The robot number that you set as "Robot(8) of Exclusive control is not found.	5	The robot number that you set as "Robot(8) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(8)".
8550027F		The robot number that you set as "Robot(9) of Exclusive control is not found.	5	The robot number that you set as "Robot(9) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(9)".
85500280		The robot number that you set as "Robot(10) of Exclusive control is not found.	5	The robot number that you set as "Robot(10) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(10)".
85500281		The robot number that you set as "Robot(11) of Exclusive control is not found.	5	The robot number that you set as "Robot(11) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(11)".
85500282		The robot number that you set as "Robot(12) of Exclusive control is not found.	5	The robot number that you set as "Robot(12) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(12)".
85500283		The robot number that you set as "Robot(13) of Exclusive control is not found.	5	The robot number that you set as "Robot(13) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(13)".
85500284		The robot number that you set as "Robot(14) of Exclusive control is not found.	5	The robot number that you set as "Robot(14) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(14)".
85500285		The robot number that you set as "Robot(15) of Exclusive control is not found.	5	The robot number that you set as "Robot(15) of Exclusive control is not found.	Check the configuration of "Exclusive control robot no(15)".

错码	RC7 编码	信息	等级	说明	恢复处理
85500286		The configuration of "Exclusive control IP" is duplicated with Ethernet board IP.	5	The configuration of "Exclusive control IP" is duplicated with Ethernet board IP.	Check the configuration of "Exclusive control IP".
85500287		DHCP is enabled for the controller that you set as Exclusive control IP(0).	5	DHCP is enabled for the controller that you set as Exclusive control IP(0).	Disable DHCP of the controller of Exclusive control IP(0).
85500288		DHCP is enabled for the controller that you set as Exclusive control IP(1).	5	DHCP is enabled for the controller that you set as Exclusive control IP(1).	Disable DHCP of the controller of Exclusive control IP(1).
85500289		DHCP is enabled for the controller that you set as Exclusive control IP(2).	5	DHCP is enabled for the controller that you set as Exclusive control IP(2).	Disable DHCP of the controller of Exclusive control IP(2).
8550028A		DHCP is enabled for the controller that you set as Exclusive control IP(3).	5	DHCP is enabled for the controller that you set as Exclusive control IP(3).	Disable DHCP of the controller of Exclusive control IP(3).
8550028B		DHCP is enabled for the controller that you set as Exclusive control IP(4).	5	DHCP is enabled for the controller that you set as Exclusive control IP(4).	Disable DHCP of the controller of Exclusive control IP(4).
8550028C		DHCP is enabled for the controller that you set as Exclusive control IP(5).	5	DHCP is enabled for the controller that you set as Exclusive control IP(5).	Disable DHCP of the controller of Exclusive control IP(5).
8550028D		DHCP is enabled for the controller that you set as Exclusive control IP(6).	5	DHCP is enabled for the controller that you set as Exclusive control IP(6).	Disable DHCP of the controller of Exclusive control IP(6).
8550028E		DHCP is enabled for the controller that you set as Exclusive control IP(7).	5	DHCP is enabled for the controller that you set as Exclusive control IP(7).	Disable DHCP of the controller of Exclusive control IP(7).
8550028F		DHCP is enabled for the controller that you set as Exclusive control IP(8).	5	DHCP is enabled for the controller that you set as Exclusive control IP(8).	Disable DHCP of the controller of Exclusive control IP(8).
85500290		DHCP is enabled for the controller that you set as Exclusive control IP(9).	5	DHCP is enabled for the controller that you set as Exclusive control IP(9).	Disable DHCP of the controller of Exclusive control IP(9).
85500291		DHCP is enabled for the controller that you set as Exclusive control IP(10).	5	DHCP is enabled for the controller that you set as Exclusive control IP(10).	Disable DHCP of the controller of Exclusive control IP(10).

错码	RC7 编码	信息	等级	说明	恢复处理
85500292		DHCP is enabled for the controller that you set as Exclusive control IP(11).	5	DHCP is enabled for the controller that you set as Exclusive control IP(11).	Disable DHCP of the controller of Exclusive control IP(11).
85500293		DHCP is enabled for the controller that you set as Exclusive control IP(12).	5	DHCP is enabled for the controller that you set as Exclusive control IP(12).	Disable DHCP of the controller of Exclusive control IP(12).
85500294		DHCP is enabled for the controller that you set as Exclusive control IP(13).	5	DHCP is enabled for the controller that you set as Exclusive control IP(13).	Disable DHCP of the controller of Exclusive control IP(13).
85500295		DHCP is enabled for the controller that you set as Exclusive control IP(14).	5	DHCP is enabled for the controller that you set as Exclusive control IP(14).	Disable DHCP of the controller of Exclusive control IP(14).
85500296		DHCP is enabled for the controller that you set as Exclusive control IP(15).	5	DHCP is enabled for the controller that you set as Exclusive control IP(15).	Disable DHCP of the controller of Exclusive control IP(15).
85500297		The configuration of "Exclusive control IP" is duplicated with other configuration.	5	The configuration of "Exclusive control IP" is duplicated with other configuration.	Check the configuration of exclusive control.
85500298		Communication error with the controller of Exclusive control IP(0) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(0) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(0) is properly connected.
85500299		Communication error with the controller of Exclusive control IP(1) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(1) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(1) is properly connected.
8550029A		Communication error with the controller of Exclusive control IP(2) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(2) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(2) is properly connected.
8550029B		Communication error with the controller of Exclusive control IP(3) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(3) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(3) is properly connected.

错码	RC7 编码	信息	等级	说明	恢复处理
8550029C		Communication error with the controller of Exclusive control IP(4) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(4) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(4) is properly connected.
8550029D		Communication error with the controller of Exclusive control IP(5) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(5) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(5) is properly connected.
8550029E		Communication error with the controller of Exclusive control IP(6) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(6) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(6) is properly connected.
8550029F		Communication error with the controller of Exclusive control IP(7) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(7) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(7) is properly connected.
855002A0		Communication error with the controller of Exclusive control IP(8) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(8) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(8) is properly connected.
855002A1		Communication error with the controller of Exclusive control IP(9) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(9) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(9) is properly connected.
855002A2		Communication error with the controller of Exclusive control IP(10) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(10) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(10) is properly connected.
855002A3		Communication error with the controller of Exclusive control IP(11) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(11) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(11) is properly connected.
855002A4		Communication error with the controller of Exclusive control IP(12) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(12) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(12) is properly connected.

错码	RC7 编码	信息	等级	说明	恢复处理
855002A5		Communication error with the controller of Exclusive control IP(13) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(13) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(13) is properly connected.
855002A6		Communication error with the controller of Exclusive control IP(14) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(14) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(14) is properly connected.
855002A7		Communication error with the controller of Exclusive control IP(15) occurred. (Disconnection detected).	5	Communication error with the controller of Exclusive control IP(15) occurred. (Disconnection detected).	Check that the Ethernet cable for the controller of Exclusive control IP(15) is properly connected.
855002A8		Communication error occurred on Exclusive control (Disconnection detected).	5	Communication error occurred on Exclusive control (Disconnection detected).	Check that the Ethernet cable is not damaged.
855002A9		Different Exclusive areas are specified among controllers in the Exclusive control.	5	Different Exclusive areas are specified among controllers in the Exclusive control.	Set the same Exclusive area for all controllers in the Exclusive control.
855002AA		The licenses of both Cooperative control and Exclusive control are registered.	5	The licenses of both Cooperative control and Exclusive control are registered.	Delete a license either Cooperation control or Exclusive control.
835002AB		Failed to transfer Safety parameters.	3	Failed to read the transferred data.	Transfer Safety parameters again.
835002AC		Failed to transfer Safety parameters.	3	Failed to read the recording medium.	Transfer Safety parameters again.
835002AD		Failed to the last terminate processing.	3	Failed to the last terminate processing.	Check the terminate processing.
815002AE		The specified Hand number is not effective.	1	The specified Hand number is not effective.	Revise the program, or enable the specified Hand number.
835002AF		You cannot execute a command while deleting variables.	3	You cannot execute a command while deleting variables.	Retry after delete variables.
835002B0		You cannot execute a command while Safety motion specifications.	3	You cannot execute a command while Safety motion specifications.	Do not execute this command to the safety motion specifications.

错码	RC7 编码	信息	等级	说明	恢复处理
855002B1		Infinite rotary setting cannot do it with the safety motion specifications.	5	Infinite rotary setting cannot do it with the safety motion specifications.	Do not execute this command to the safety motion specifications.
855002B2		Cannot invalidate a software limit check with the safety motion specifications	5	Cannot invalidate a software limit check with the safety motion specifications	Do not execute this command to the safety motion specifications.
855002B3		Safety motion module is not connected.	5	Safety motion module is not connected.	Please contact DENSO WAVE service with error number and error message.
855002B4		Encoder battery check day settings are not consistent between the robot and the controller.	5	The controller set encoder battery check day setting on the robot side on the controller side, because settings are consistent between the robot and the controller.	Confirm that the appropriate robot is connected. If the correct robot type has been connected, confirm encoder battery check day setting. After confirmation, reboot the controller.
855002B5		Encoder battery check day is not set to the robot.	5	The controller set encoder battery check day setting on the controller side on the robot side, because check day is not set the robot.	Confirm that the appropriate robot is connected. If the correct robot type has been connected, confirm encoder battery check day setting. After confirmation, reboot the controller.
855002B6		Encoder battery check day is set to neither the robot nor the controller.	5	Encoder battery check day is set to neither the robot nor the controller.	Confirm that the appropriate robot is connected. If the correct robot type has been connected, confirm encoder battery check day setting. After confirmation, reboot the controller.
855002B7		Robot controller specifications error.	5	The project cannot used this controller.	Send project data of HSR from WINCAPSIII.
835002B8		Failed to open the database.	3	Failed to open the MDB.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
835002B9		Failed to compact the database.	3	Failed to compact the MDB.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
835002BA		Failed to compact the database.	3	Failed to compact the MDB.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
855002BB		Safety parameters were updated rightly. Please reboot the controller.	5	Safety parameters were updated rightly. Please reboot the controller.	Reboot the controller.
855002BC		The safety of controller is different between master controller and slave controller (Robot1).	5	The safety of controller is different between master controller and slave controller (Robot1).	Match the safety of the master controller and the slave controller (Robot1).

错码	RC7 编码	信息	等级	说明	恢复处理
855002BD		The safety of controller is different between master controller and slave controller (Robot2).	5	The safety of controller is different between master controller and slave controller (Robot2).	Match the safety of the master controller and the slave controller (Robot2).
855002BE		The safety of controller is different between master controller and slave controller (Robot3).	5	The safety of controller is different between master controller and slave controller (Robot3).	Match the safety of the master controller and the slave controller (Robot3).
855002BF		The safety of controller is different between master controller and slave controller.	5	The safety of controller is different between master controller and slave controller.	Match the safety of the master controller and the slave controller.
855002C0		You cannot use controller of Exclusive control IP(0) occurred.	5	You cannot use controller of Exclusive control IP(0) occurred.	Set the slave controller of Cooperative control function.
855002C1		You cannot use controller of Exclusive control IP(1) occurred.	5	You cannot use controller of Exclusive control IP(1) occurred.	Set the slave controller of Cooperative control function.
855002C2		You cannot use controller of Exclusive control IP(2) occurred.	5	You cannot use controller of Exclusive control IP(2) occurred.	Set the slave controller of Cooperative control function.
855002C3		You cannot use controller of Exclusive control IP(3) occurred.	5	You cannot use controller of Exclusive control IP(3) occurred.	Set the slave controller of Cooperative control function.
855002C4		You cannot use controller of Exclusive control IP(4) occurred.	5	You cannot use controller of Exclusive control IP(4) occurred.	Set the slave controller of Cooperative control function.
855002C5		You cannot use controller of Exclusive control IP(5) occurred.	5	You cannot use controller of Exclusive control IP(5) occurred.	Set the slave controller of Cooperative control function.
855002C6		You cannot use controller of Exclusive control IP(6) occurred.	5	You cannot use controller of Exclusive control IP(6) occurred.	Set the slave controller of Cooperative control function.
855002C7		You cannot use controller of Exclusive control IP(7) occurred.	5	You cannot use controller of Exclusive control IP(7) occurred.	Set the slave controller of Cooperative control function.
855002C8		You cannot use controller of Exclusive control IP(8) occurred.	5	You cannot use controller of Exclusive control IP(8) occurred.	Set the slave controller of Cooperative control function.
855002C9		You cannot use controller of Exclusive control IP(9) occurred.	5	You cannot use controller of Exclusive control IP(9) occurred.	Set the slave controller of Cooperative control function.
855002CA		You cannot use controller of Exclusive control IP(10) occurred.	5	You cannot use controller of Exclusive control IP(10) occurred.	Set the slave controller of Cooperative control function.
855002CB		You cannot use controller of Exclusive control IP(11) occurred.	5	You cannot use controller of Exclusive control IP(11) occurred.	Set the slave controller of Cooperative control function.

错码	RC7 编码	信息	等级	说明	恢复处理
855002CC		You cannot use controller of Exclusive control IP(12) occurred.	5	You cannot use controller of Exclusive control IP(12) occurred.	Set the slave controller of Cooperative control function.
855002CD		You cannot use controller of Exclusive control IP(13) occurred.	5	You cannot use controller of Exclusive control IP(13) occurred.	Set the slave controller of Cooperative control function.
855002CE		You cannot use controller of Exclusive control IP(14) occurred.	5	You cannot use controller of Exclusive control IP(14) occurred.	Set the slave controller of Cooperative control function.
855002CF		You cannot use controller of Exclusive control IP(15) occurred.	5	You cannot use controller of Exclusive control IP(15) occurred.	Set the slave controller of Cooperative control function.
855002D0		You cannot use controller of Exclusive control IP(0) occurred.	5	You cannot use controller of Exclusive control IP(0) occurred.	You cannot use the controller of Cooperative control function.
855002D1		You cannot use controller of Exclusive control IP(1) occurred.	5	You cannot use controller of Exclusive control IP(1) occurred.	You cannot use the controller of Cooperative control function.
855002D2		You cannot use controller of Exclusive control IP(2) occurred.	5	You cannot use controller of Exclusive control IP(2) occurred.	You cannot use the controller of Cooperative control function.
855002D3		You cannot use controller of Exclusive control IP(3) occurred.	5	You cannot use controller of Exclusive control IP(3) occurred.	You cannot use the controller of Cooperative control function.
855002D4		You cannot use controller of Exclusive control IP(4) occurred.	5	You cannot use controller of Exclusive control IP(4) occurred.	You cannot use the controller of Cooperative control function.
855002D5		You cannot use controller of Exclusive control IP(5) occurred.	5	You cannot use controller of Exclusive control IP(5) occurred.	You cannot use the controller of Cooperative control function.
855002D6		You cannot use controller of Exclusive control IP(6) occurred.	5	You cannot use controller of Exclusive control IP(6) occurred.	You cannot use the controller of Cooperative control function.
855002D7		You cannot use controller of Exclusive control IP(7) occurred.	5	You cannot use controller of Exclusive control IP(7) occurred.	You cannot use the controller of Cooperative control function.
855002D8		You cannot use controller of Exclusive control IP(8) occurred.	5	You cannot use controller of Exclusive control IP(8) occurred.	You cannot use the controller of Cooperative control function.
855002D9		You cannot use controller of Exclusive control IP(9) occurred.	5	You cannot use controller of Exclusive control IP(9) occurred.	You cannot use the controller of Cooperative control function.
855002DA		You cannot use controller of Exclusive control IP(10) occurred.	5	You cannot use controller of Exclusive control IP(10) occurred.	You cannot use the controller of Cooperative control function.
855002DB		You cannot use controller of Exclusive control IP(11) occurred.	5	You cannot use controller of Exclusive control IP(11) occurred.	You cannot use the controller of Cooperative control function.
855002DC		You cannot use controller of Exclusive control IP(12) occurred.	5	You cannot use controller of Exclusive control IP(12) occurred.	You cannot use the controller of Cooperative control function.
855002DD		You cannot use controller of Exclusive control IP(13) occurred.	5	You cannot use controller of Exclusive control IP(13) occurred.	You cannot use the controller of Cooperative control function.

错码	RC7 编码	信息	等级	说明	恢复处理
855002DE		You cannot use　controller of Exclusive control IP(14) occurred.	5	You cannot use　controller of Exclusive control IP(14) occurred.	You cannot use the controller of Cooperative control function.
855002DF		You cannot use　controller of Exclusive control IP(15) occurred.	5	You cannot use　controller of Exclusive control IP(15) occurred.	You cannot use the controller of Cooperative control function.
855002E0		Exclusive Control:No license	5	No lisence.	Please register license number for the function to the controller. If you do not have a license, please contact DENSO WAVE to ask for the new licence.
855002E1		You cannot set Exclusive control slave from the Master controller of Cooperative control function.	5	You cannot set Exclusive control slave from the Master controller of Cooperative control function.	Check the configuration of exclusive control.
855002E2		You cannot set Exclusive control master from the Slave controller of Cooperative control function.	5	You cannot set Exclusive control　master from the Slave controller of Cooperative control function.	Check the configuration of Exclusive control.
805002E3		Load-estimate has been interrupted.	0	Load-estimate has been stopped because a stop process was executed.	Execute Load-estimate again.
855002E4		Kinematics Configration is not licensed.	5	Kinematics Configration is not licensed.	Register the license of Kinematics Configration.
835002E5		This command is not available in MC8.	3	This command is not available in MC8.	Revise the program.
855002E6		Failed to transfer safety parameter.	5	Failed to transfer safety parameter.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
855002E7		Provider registration.Restart the controller.	5	Provider registration.Restart the controller.	Restart the controller.
855002E8		EtherCAT motion board is not found.	5	EtherCAT board is not found.	Attach EtherCAT board to the extended board slot.
855002E9		Slave motion and selective external joint cannot be used together.	5	Slave motion and selective external joint cannot be used together.	Disable slave motion or slective external joint.
855002EA		Slave motion and field network cannot be used together.	5	Slave motion and field network cannot be used together.	Disable slave motion or field network.

错码	RC7 编码	信息	等级	说明	恢复处理
855002EB		The number of connections of EtherCAT motion board and field network board is different from setting.	5	The number of connections of EtherCAT motion board and field network board is different from setting.	Change the number of connections of extended board.
855002EC		Failed to connect to the extended board.	5	Failed to connect to the extended board.	Reboot the controller. If error still occurs, please contact to DENSO WAVE service.
855002ED		Slot ID of EtherCAT master board is different from a setting value.	5	Slot ID of EtherCAT master board is different from a setting value.	Match the slot ID of EtherCAT master board and setting value.
855002EE		Slot IDs of EtherCAT master board and field network board are duplicated.	5	Slot IDs of EtherCAT master board and field network board are duplicated.	Change the Slot IDs of boards to avoid duplication.
855002EF		Failed to generate EtherCAT config file.	5	Failed to generate EtherCAT config file.	Revise the configuration of cooperative control and selective extended joint.
855002F0		Teach pendant is connected when slave motion is enabled.	5	Teach pendant is connected when slave motion is enabled.	Connect a pendant-less dummy connector.
855002F1		Selective external joint setting is invalid.	5	Selective external joint setting is invalid.	Revise the configuration of selective extended joint.
855002F2		EtherCAT Slave Motion is not licensed.	5	EtherCAT slave motion is not licensed.	Register the license of EtherCAT slave motion.
855002F3		Selective extended joint (EtherCAT)　is not licensed.	5	Selective extended joint (EtherCAT)　is not licensed.	Register the license of selective extended joint (EtherCAT) .
855002F4		Selective extended joint (EtherCAT) and Ethernet cooperative control cannot be used together.	5	Selective extended joint (EtherCAT) and Ethernet cooperative control cannot be used together.	Set a cooperative communication mode to include EtherCAT.
835002F5		Failed to read the correction data.	3	Failed to read the correction data.	Please transfer the adjusted parameters to RC8 by using the Off-line tool PA (Picking Adjustment) guidance.
855002F6		Communication mode setting is different with master controller and slave controller (Robot1) of cooperative control.	5	Communication mode setting is different with master controller and slave controller (Robot1) of cooperative control.	Please set the same cooperative communication mode to master controller and slave controller (Robot1).
855002F7		Communication mode setting is different with master controller and slave controller (Robot2) of cooperative control.	5	Communication mode setting is different with master controller and slave controller (Robot2) of cooperative control.	Please set the same cooperative communication mode to master controller and slave controller (Robot2).

错码	RC7 编码	信息	等级	说明	恢复处理
855002F8		Communication mode setting is different with master controller and slave controller (Robot3) of cooperative control.	5	Communication mode setting is different with master controller and slave controller (Robot3) of cooperative control.	Please set the same cooperative communication mode to master controller and slave controller (Robot3).
855002F9		Cooperative control and slave motion cannot be used together.	5	Cooperative control and slave motion cannot be used together.	Disable cooperative control or slave motion. When you perform EherCAT cooperative control, you invalidate slave motion, and set a cooperative communication mode.
855002FA		Cooperative control can not be used for this robot type.	5	Cooperative control can not be used for this robot type.	Disable cooperative control.
855002FB		Dual arm control can not be used for this robot type.	5	Dual arm control can not be used for this robot type.	Disable dual arm control.
855002FC		Cooperative control and dual arm control cannot be used together.	5	Cooperative control and dual arm control cannot be used together.	Disable cooperative control or dual arm control.
835002FD		MDB of LoadCheck has a problem.	3	MDB of LoadCheck has a problem.	Please check sending LoadCheck.mdb.
845002FE		You cannot execute a command while the motor power is ON.Motor turned off.	4	This operation is not available while the motor power is ON.Motor turned off.	Please retry.
835002FF		During the hand command execution, the stop processing was performed.	3	During the hand command execution, the stop processing was performed.	Please retry.
83500300		Hand Initialization error.	3	Initialization of the hand is not completed nomally.	Reboot the controller.
83500301		Hand control command was executed while a hand is running.	3	Hand control command can not be operation while a hand is running.	Please retry.
83500302		software limit over	3	software limit over	It can not move out of software limit.
85500303		Dual arm control setting becomes effective in the project that dual arm control cannot carry out.	5	Dual arm control setting becomes effective in the project that dual arm control cannot carry out.	Please set the setting of the dual arm control for invalidity.
83500304		Hand point data read error	3	Hand point data read error	Reboot the controller and then try again.
83500305		Hand point data write error	3	Hand point data write error	Reboot the controller and then try again.
84500306		The robot moved greatly immediately after direct start.	4	The robot moved greatly immediately after direct start.	Please reconsider mass of payload.
84500307		The button of robot was on for more than 10 seconds.	4	The button of robot was on for more than 10 seconds.	Please turn OFF within 10 seconds. There is possibility of welding.

错码	RC7 编码	信息	等级	说明	恢复处理
81500308		The specified combination of Robot number and Hand number is not effective.	1	The specified combination of Robot number and Hand number is not effective.	Revise the program, or enable the specified SelectHand number.
81500309		The specified Robot number is invalid.	1	The Robot of specified number does not exist.	Revise the program, or set the Robot number that exist on.
8050030A		Failed to get the position.	0	Failed to get the position.	Please press the button with teaching screen open.
8550030B		Force Sensor Compliance Control is not licensed.	5	No lisence.	Please register a license with master controller, when it already has a license. Please contact DENSO WAVE service, when you do not have a license. Alternatively, please revise cooperation settings.
8550030C		Force Sensor Compliance Control is not licensed.	5	No lisence.	Please register a license with slave controller (Robot1), when it already has a license. Please contact DENSO WAVE service, when you do not have a license. Alternatively, please revise cooperation settings.
8550030D		Force Sensor Compliance Control is not licensed.	5	No lisence.	Please register a license with slave controller (Robot2), when it already has a license. Please contact DENSO WAVE service, when you do not have a license. Alternatively, please revise cooperation settings.
8550030E		Force Sensor Compliance Control is not licensed.	5	No lisence.	Please register a license with slave controller (Robot3), when it already has a license. Please contact DENSO WAVE service, when you do not have a license. Alternatively, please revise cooperation settings.
8350030F		A mode that can not be specified in chuck operation is specified as point data.	3	A mode that can not be specified in chuck operation is specified as point data.	Check the point data.
83500310		A mode that can not be specified in unchuck operation is specified as point data.	3	A mode that can not be specified in unchuck operation is specified as point data.	Check the point data.
85500311		Robot Data were updated rightly. Please reboot the controller.	5	Robot Data were updated rightly. Please reboot the controller.	Reboot the controller.
83500312		Failed to transfer Robot Data parameter.	3	Dual arm control setting has been already set.	You cannot transfer Multi Kinema to a set controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83500313		A irregular hand is connected.	3	Hand connection is different from the configuration.	Please connect a correct hand.
83500314		It is failed by hand movement setting.	3	Failed to set the movement parameter.	Check the position, the speed, or the gripping force.
84500315		Hand:Speed command limit over	4	Speed instruction that exceeds the speed limit is detected.	Reduce hand speed.
84500316		Hand:Motor speed limit over	4	Encoder detected the speed that exceeds the speed limit.	Reduce robot speed.
84500317		Hand:Motor acceleration limit over	4	Encoder detected the acceleration that exceeds the acceleration limit.	Reduce robot speed.
84500318		Hand:Motor Overcurrent	4	Motor current that exceeds the current limit is detected.	Reduce hand speed, gripping force. If you use MoveA or MoveR or Unchuck command for gripping work, please change program to use gripping motion command.
84500319		Hand motor overload	4	Accumulated motor current value for the predetermined time exceeded the limit.	Revise the hand motion.Make the wait time after the hand motion.
8450031A		Hand lock overload	4	Excessive motor current was detected while hand motion stopped.	Revise the hand motion.Make the wait time after the hand motion.
8050031B		The load applied to hand is large	0	The continuous load was detected while hand is moving.	This warning is displayed when load is applies the hand continuously. For example, when the hand is gripping a long work. It may be improved by revising programming. Please refer to a manual for the details.
8450031C		Hand:Excessive position error	4	Position error that exceeds the error allowance is detected.	Please check whether the finger is caught on something, and revise the error allowance parameter.
8450031D		Hand:Encoder data unreceived	4	Failed to receive data from encoder.	Check the hand connection.
8450031E		Hand:Encoder framing error	4	Failed to communicate to encoder.	Check the hand connection.
8450031F		Hand:Encoder communication error	4	Failed to communicate to encoder.	Check the hand connection.
83500320		Invalid hand configuration data	3	Configuration data error is found during the data setting.	请将错误编号与错误名告知本公司服务部。
84500321		Hand:Receive timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
85500322		Hand:CAN communication initialization error	5	CAN communication initialization error.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
84500323		Hand:Motor temperature sensor error	4	Motor temperature sensor detected heat.	Revise the hand motion. Make the wait time after the hand motion. If you use MoveA or MoveR or Unchuck command for gripping work, please change program to use gripping motion command.
84500324		Hand:CAN communication error	4	CAN communication error.	请将错误编号与错误名告知本公司服务部。
84500325		Hand:Motor power ON failure	4	Failed to turn ON motor, because motor bus voltage is not input.	Please check the power cable connection and the hand connection.
84500326		Hand:A/D conversion reference voltage error	4	A/D conversion reference voltage error.	请将错误编号与错误名告知本公司服务部。
85500327		Hand:Initialization error	5	Initialization of the microcomputer is not completed.	请将错误编号与错误名告知本公司服务部。
84500328		Hand:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
82500329		Hand:Force calibration is failed	2	Failed to set force calibration data.	Calibration parameters are invalid.
8150032A		The camera can not move to the position.	1	The camera can not move to the position.	Please specify the camera position within the range where the robot can move.
8350032B		Camera is not calibrated.	3	Camera is not calibrated.	Please calibrate the camera.
8550032C		A safety parameter does not accord with a project.	5	A safety parameter does not accord with a project.	Send project and safety parameters.
8450032D		Hand:Driver unit overload	4	Accumulated driver unit current value for the predetermined time period exceeded the limit.	Revise the hand motion. If you use MoveA or MoveR or Unchuck command for gripping work, please change program to use gripping motion command.
8450032E		Hand:Driver unit Overcurrent (U-phase)	4	Driver unit detected overcurrent.	Revise the hand motion. If you use MoveA or MoveR or Unchuck command for gripping work, please change program to use gripping motion command.
8450032F		Hand:Driver unit Overcurrent (V-phase)	4	Driver unit detected overcurrent.	Revise the hand motion. If you use MoveA or MoveR or Unchuck command for gripping work, please change program to use gripping motion command.
84500330		Safety parameters were updated rightly.	4	Safety parameters were updated rightly.	Safety parameters were updated rightly.
83500331		Path can not be specified with 3 or more cooperative or synchronous motions.	3	Path can not be specified with 3 or more cooperative or synchronous motions.	Revise the program.
83500332		It is not possible to connect 3 or more cooperative or synchronous motions and pass motion.	3	It is not possible to connect 3 or more cooperative or synchronous motions and pass motion.	Revise the program.

错码	RC7 编码	信息	等级	说明	恢复处理
80500333		The origin return operation has been interrupted.	0	The origin return operation of selective external joint has been stopped because a stop process was executed.	Execute The origin return operation again.
83500334		The origin return operation has been interrupted.	3	The origin return operation of selective external joint has been stopped because timeout is occured.	Execute The origin return operation again or revise a timeout period.
83500335		Invalid joint number is specified.	3	Specified joint number is not configured as selective external joint.	Revise the joint number and specify the appropriate value.
83500336		Failed to get COM port Info.	3	Failed to get COM port Info.	Reboot the controller and then try again.
83500337		Direct communication setting is not valid.	3	Direct communication setting is not valid.	Please enable direct communication setting.
83500338		It is necessary to setting direct preparation mode with the Teach-pendant.	3	It is necessary to setting direct preparation mode with the Teach-pendant.	Please set direct preparation mode with the Teach-pendant.
85500339		You cannot use field network in the slave controller.	5	You cannot use field network in the slave controller.	Set the I/O allocation mode to Mini I/O in the slave controller.
8550033A		Dual Arm Control license required.	5	Dual Arm Control license required.	Please enter Dual Arm Control license.
8350033B		Cooperative license required.	3	Cooperative license required.	Please enter Cooperative license.
8450033C		WaitDirectCommunication can not be executed in multiple.	4	WaitDirectCommunication can not be executed in multiple.	Revise the program.
8450033D		WaitDirectCommunication can not be executed while the robot is running.	4	WaitDirectCommunication can not be executed while the robot is running.	Revise the program.
8350033E		You cannot safety parameters upload during safety parameters upload.	3	You cannot safety parameters upload during safety parameters upload.	Complete Safety parameters transfer and try again.
8350033F		It is not possible to connect path which differ combination of robots for cooperative or synchronous motions.	3	It is not possible to connect path which differ combination of robots for cooperative or synchronous motions.	Revise the program.
81500340		Controller power was shutdown when change of the size of the use of variable.	1	Controller power was shutdown when change of the size of the use of variable.	Please change the size of the use of variable again.
83500341		Hand command was executed while a hand is operated.	3	A task tried to execute hand command, but the hand has been operated by another task already.	Revise the program so that multiple tasks do not operate the hand concurrently.

错码	RC7 编码	信息	等级	说明	恢复处理
83500342		Serial number is different.	3	Data can not be read because the serial number is different.	Please check the serial number.
83500343		Robot setting is disable.	3	Robot setting is disable.	Please enable robot setting.
83500344		CALSET and RANG data read error	3	CALSET and RANG data read error	Please check the USB that contains an arm parameter is connected.
83500345		When the dual arm control is started for the first time, it is necessary to read the CALSET value and the RANG value from the USB for the arm data set.	3	When the dual arm control is started for the first time, it is necessary to read the CALSET value and the RANG value from the USB for the arm data set.	Please read data from USB.
83500346		Brake-release processing timeout.	3	Brake-release timeout occurred while the waiting of brake-release completion.	Check the connection of safety signals between the master controller and the slave controller. RC8 Standard Specification – Check the connection of the contactor monitor output signal of master controller and the enable-auto input signal of slave controller. RC8A Safety Motion Specification or RC8A Standard Specification – Check connections of the STO monitor output signal of master controller and the external emergency stop input signal of slave controller, and the auto move mutual monitoring output signal of master controller and the enable-auto input signal of slave controller. RC8 Safety I/O Less Specification or RC8A Safety I/O Less Specification – Check the connection of the pendant emergency stop output singnal of master controller and the external emergency stop input signal of slave controller, and the short-circuit of the enable-auto input signal of slave controller.
83500347		Failed to receive Robot1 data of Cooperative control function.	3	Failed to receive Robot1 data of Cooperative control function.	Reboot the Master and Slave controllers.
83500348		Failed to receive Robot2 data of Cooperative control function.	3	Failed to receive Robot2 data of Cooperative control function.	Reboot the Master and Slave controllers.
83500349		Failed to receive Robot3 data of Cooperative control function.	3	Failed to receive Robot3 data of Cooperative control function.	Reboot the Master and Slave controllers.

错码	RC7 编码	信息	等级	说明	恢复处理
8350034A		Safety parameter of the "Max payload setting" is small value than configuration of the "Mass of Payload".	3	Safety parameter of the "Max payload setting" is small value than configuration of the "Mass of Payload".	Please set the value of safety parameter of the "Max payload setting" that is bigger than configuration of the "Mass of Payload", or please set the value of configuration of the "Mass of Payload" that is smaller than safety parameter of the "Max payload setting".
8350034B		Too much number of file in the USB for the arm data set.	3	Too much number of file in the USB for the arm data set.	Please make the number of file in the USB for the arm data set one.
8350034C		Failed to set Dual arm.	3	Failed to set Dual arm.	Send Robot Data from WINCAPS again.
8050034D		Movement to CALSET position was interrupted.	0	Movement to CALSET position has been stopped because a stop process was executed.	Clear error and then retry.
8050034E		Diagnosis movement was interrupted.	0	Diagnosis movement has been stopped because a stop process was executed.	Clear error and then retry.
8350034F		It is necessary to confirm the safety parameter by Teach Pendant.	3	It is necessary to confirm the safety parameter by Teach Pendant.	Please confirm safety parameter by Teach Pendant.
83500350		This command is not available after motion preparation.	3	This command is not available after motion preparation.	Please execute command before motion preparation.
83500351		Movement to CALSET position was unavailable move.	3	Movement to CALSET position was unavailable move.	Please release motor brake and execute CALSET manually.
83500352		You cannot execute command because user parameter of the "CALSET on start-up"(index of 252) is enabled.	3	You cannot execute command because user parameter of the "CALSET on start-up"(index of 252) is enabled.	Please set the value of user parameter of the "CALSET on start-up"(index of 252) to "1:DoNot" and then retry.
83500353		You cannot execute command because user parameter of the "Diagnosis movement on start-up"(index of 254) is enabled.	3	You cannot execute command because user parameter of the "Diagnosis movement on start-up"(index of 254) is enabled.	Please set the value of user parameter of the "Diagnosis movement on start-up"(index of 254) to "1:DoNot" and then retry.
80500354		You cannot press the multiple moving direction keys.	0	You cannot press the multiple moving direction keys.	Please press only one moving direction key.
84500355		Diagnosis movement was not executed more than 24 hours.	4	Diagnosis movement was not executed more than 24 hours.	Please execute diagnosis movement.
81500356		You cannot execute motion preparation.	1	you cannot execute the motion preparation while the safety error is issued, or the Emergency-stop is ON, or Protective-stop signal is ON.	Please change the state that the motion preparation can execute, and then retry.
84500357		Diagnosis movement was completed.	4	Diagnosis movement was completed.	Diagnosis movement was completed.

错码	RC7 编码	信息	等级	说明	恢复处理
83500358		System processing is delayed because there is a program with high CPU load.	3	System processing is delayed because there is a program with high CPU load.	Add Delay or Wait Command to lower the CPU load of the program.
80500359		Since TP is not in the direct preparation mode, the position cannot be getting.	0	Since TP is not in the direct preparation mode, the position cannot be getting.	Please set TP to direct preparation mode.
8350035A		The direct assist mode [RZ] can not be used when RX ,RY of tool coordinates is not 0.	3	The direct assist mode [RZ] can not be used when RX ,RY of tool coordinates is not 0.	Set RX and RY of tool coordinates to 0 and use them.
8350035B		Neutral frame is not sent from wireless tablet.Please check the communication status.	3	Neutral frame is not sent from wireless tablet.Please check the communication status.	Please check the communication status.
8350035C		Current hand type cannot execute.	3	Current hand type cannot execute this command.	Revise the hand motion.
8050035D		Gripper button is not valid.	0	Gripper button is not valid.	Please enable gripper button settings with COBOTTA parameter tool and send.
8450035E		An abnormal command was sent from the wireless terminal at the time of wireless disconnection.	4	An abnormal command was sent from the wireless terminal at the time of wireless disconnection.	Please restart the wireless terminal.
8050035F		Brake release function by function button is not valid.	0	Brake release function by function button is not valid.	Please enable the setting of brake release function and send.
84500360		The hand movement cannot follow the command position.	4	The hand movement is delayed than the command position.	The hand might break down. Please contact DENSO WAVE service with error number and error message.
85500361		Failed to start the system task.	5	Failed to start the system task.	Please review the system task.
83500362		The target position of HandMoveAH exceeds software limit.	3	The total distance exceeds software limit.	Review target position and low speed gripping end position. You can change low speed gripping end position on Aux button of ServoHand Page.
83500363		The target position of HandMoveRH exceeds software limit.	3	The total distance exceeds software limit.	Review target position and low speed gripping end position. You can change low speed gripping end position on Aux button of ServoHand Page.
83500364		The low speed gripping start position exceeds software limit.	3	The start position of gripping movement exceeds software limit.	Review target position and low speed gripping start position. You can change low speed gripping start position on Aux button of ServoHand Page.
81500365		You cannot execute a command while manual operation of the hand.	1	This operation is not allowed while manual operation of the hand.	Please try again without manual moving of the hand.

错码	RC7 编码	信息	等级	说明	恢复处理
83500366		Communication error with TP	3	This error occurs if a communications delay occurrs between TP and COBOTTA.	Please check a cable between TP and COBOTTA.
80500367		Many TP connected to COBOTTA.	0	Many TP connected to COBOTTA.	Only one TP can connect to COBOTTA.
83500368		Communication error with TP	3	This error occurs if a communications delay occurrs between TP and COBOTTA.	When TP and COBOTTA communicate wirelessly, please check the TP communication status. Distance of COBOTTA may be too far from TP. When TP and COBOTTA communicate by wire,, please check a cable between TP and COBOTTA.
83500369		Failed in adjustment of hand.	3	Failed to set calibration data of hand because the parameter is larger or smaller.	Review the setting parameter.
8450036A		The offset voltage of pressure sensor of hand is abnormal.	4	The abnormal value of pressure sensor is detected.	Please confirm that the pressure sensor is connected.
8050036B		The hand is gripping work.	0	The hand is gripping work.	Nothing.
8450036C		The detection state was not canceled even after a certain period of time.	4	The detection state was not canceled even after a certain period of time.	Please reset again.
8050036D		The specified password is out of range.	0	The specified password is out of range.	Please enter the password again.
8050036E		It does not match the mode lock password set when connecting the teaching pendant.	0	It does not match the mode lock password set when connecting the teaching pendant.	Please review your password.
8050036F		It is necessary to set the mode lock password when connecting the teaching pendant.	0	It is necessary to set the mode lock password when connecting the teaching pendant.	To the direct teaching, you need a password input at the time of the teaching pendant connection.
80500370		Mode lock button is locked.	0	Mode lock button is locked.	Enter the password and unlocked the mode lock button.
80500371		As the bus voltage is shut off, the hand power is turned off.	0	As the bus voltage is shut off, the hand power is turned off.	The bus voltage of the hand is shut off under conditions such as emergency stop input, protective stop input, and safety errors. It is possible to operate again by performing motion preparation or error clear.

错码	RC7 编码	信息	等级	说明	恢复处理
83500372		In order to execute the MotionPreparation and ClearError commands, it is necessary to execute the ManualResetPreparation command in advance.	3	In order to execute the MotionPreparation and ClearError commands, it is necessary to execute the ManualResetPreparation command in advance.	Execute the ManualResetPreparation command in advance. Or update the version of ORiN.
80500373		The load on the hand is rising.	0	The load on the hand is rising due to continuous operation.	If you continue using it as it is, an error may occur. Reduce the continuous run time of the hand, for example by putting a waiting time into the program.
85500375		Twincat device configuration failed.	5	Twincat device type configuration failed.	Scan devices with XAE.
85500376		Twincat robot type configuration failed.	5	Twincat robot type configuration failed.	Reboot the controller.
85500377		Twincat I / O configuration failed.	5	Twincat I / O configuration failed.	Reboot the controller.
85500378		Twincat failed to start.	5	Twincat failed to start.	Reboot the controller.
84500379		The misalignment between the axes of COBOTTA and the slave robot is outside the allowable range.	4	Remote teaching cannot be started if there is a large difference between the axis angles of COBOTTA and the slave robot.	Change COBOTTA to normal mode, and connect and align with the slave again.
8450037A		Remote teaching communication timeout.	4	No response was returned from the connected robot after a certain period of time.	The cable connector may not be securely inserted. Check the wiring. Then reconnect from the COBOTTA.
8350037B		Communication error with TP	3	Communication error with TP	Check whether the cable is not damaged.
8450037C		Remote mode processing terminated because communication from COBOTTA was disconnected.	4	The remote mode processing of the slave robot has been completed because it was detected that communication from COBOTTA was disconnected.	Check the error that has occurred in COBOTTA and the slave robot, and take the recovery action.
8150037D		The maximum number that can be registered has been exceeded.	1	The maximum number that can be registered has been exceeded.	
8150037E		ID of system reservation.	1	ID of system reservation.	
8150037F		The specified user ID has already been registered.	1	The specified user ID has already been registered.	
81500380		The specified user ID does not exist.	1	The specified user ID does not exist.	
84500381		Fail to add device in twincat configuration	4	Fail to add device in twincat configuration	Reboot the controller.

错码	RC7 编码	信息	等级	说明	恢复处理
84500382		Fail to create variable mappings	4	Fail to create variable mappings	Reboot the controller.
80500383		The ID or password is incorrect.	0	The ID or password is incorrect.	
80500384		You do not have Risk Assessor permissions.	0	You do not have Risk Assessor permissions.	
84500385		Failed to read Object Dictionary while booting	4	SDO communication error	Reboot the controller.
84500386		Failed to write Object Dictionary while booting	4	SDO communication error	Reboot the controller.
80500387		Already logged in	0	Already logged in	
81500388		password is incorrect	1	password is incorrect	
83500389		Failed to read Object Dictionary	3	SDO communication error	Reboot the controller.
8350038A		Failed to write Object Dictionary	3	SDO communication error	Reboot the controller.
8350038B		Confirmation of remote mode settings has not been completed.	3	The current login user has never checked the settings related to remote mode on the remote mode preparation page.	Display the remote mode preparation page, check the settings, and press the OK button if there is no problem. You need at least programmer privileges to perform the check.
855003AD		Update FPGA (Mecha).	5	Update FPGA (Mecha).	Login as "Maintainer".Please Update from [F2Arm]-[F12Maintenance]-[F12-Service]-[F4 FPGA Update]
835003AE		It is not possible to return automatically because some stop has been input.	3	It is not possible to return automatically because some stop has been input.	
83500501		Bumper collision detected	3	Bumper collision was detected	Check if the bumper collides with something. After removing the obstracles, reset the bumper.
81501001	200A	电机 ON 状态下不能执行。	1	进行了在电机 ON 时不能执行的操作。	请在关闭电机后重新执行。
81501002		有的机器人的电机处于 ON 状态。	1	有机器人处于电机 ON 状态下进行了不能执行的操作。	请在关闭电机后重新执行。
81501003	2006	请将电机 ON。	1	在电机 OFF 状态下，执行了需要电机为 ON 的操作	请在接通电机后重新执行。
81501004		请将所有机器人电机设为 ON。	1	在有机器人的电机为 OFF 的状态下，执行了只能在所有机器人的电机为 ON 的状态下才能执行的操作。	请在启动所有机器人的电机后，重新执行。
81501005	21DE	机器锁定接通状态下无法执行。	1	机器锁定接通状态下进行了不能执行的操作。	请重新执行机器锁定关闭。

错码	RC7编码	信息	等级	说明	恢复处理
81501006		有机器人处于机器锁定接通状态。	1	有机器人处于机器锁定接通状态下进行了不能执行的操作。	请重新执行机器锁定关闭。
81501007	21DF	请将机器锁定设为 ON。	1	在机器锁定关闭状态下进行了机器锁定接通所必须的操作。	请重新执行机器锁定接通。
81501008		请将所有机器人的机器锁定设为 ON。	1	在有机器人的机器锁定关闭的状态下，执行了只能在所有机器人的机器锁定接通的状态下才能执行的操作。	请重新执行所有机器人的机器锁定接通。
82501009	27A6	刚才发生等级 5 的异常。	2	刚才发生等级 5 的异常。	请通过错误 log 确认其为 5 级异常并进行处理。
8150100A	71E0	在程序运行时不能执行。	1	程序运行时进行了不能执行的操作。	请停止程序并重新执行。
8150100B		请运行程序。	1	在程序停止的状态下，进行了需要在程序运行时执行的操作。	请启动程序并重新执行。
8350100C		有的程序未停止，不能执行。	3	在有程序未停止初始化的状态下进行了操作。	请初始化并停止所有程序(包括特权任务)后，重新执行。
8150100D	600B	机器人运行时不能执行。	1	在机器人动作时进行了不能执行的操作。	请停止控制机器人动作的程序，然后重新执行。
8150100E		有运行中的机器人。	1	在有机器人处于运行过程的状态下进行了操作。	请停止所有机器人并重新执行。
8150100F	21BF	有的机器人处于暂停状态，不能执行。	1	在机器人暂停的状态下进行了操作。	请停止机器人并重新执行。
81501010		有机器人处于暂停状态。	1	在有机器人处于暂时停止时进行了操作。	请停止所有机器人并重新执行。
81501011	73FF	处理程序停止时不能执行。	1	进行停止处理时启动了程序。	稍等之后，请再次执行。对于所有任务停止的处理进入时，所有任务在停止之前均不能起动程序。
81501012	21E2	用手动模式不能执行	1	进行了手动模式下不能执行的操作。	请切换为手动模式以外的模式之后，再次执行。
81501013	21E3	请设定为手动模式	1	进行了非手动模式下不能执行的操作。	请切换为手动模式之后，再次执行。
81501014	21E4	用教导检查模式不能执行	1	进行了教导检查模式下不能执行的操作。	请切换为教导检查模式以外的模式之后，再次执行。
81501015	21E5	请设定为教导检查模式	1	进行了只有在教导检查模式下才能执行的操作。	请切换为教导检查模式之后，再次执行。
81501016	21E6	用自动模式不能执行。	1	进行了自动模式下不能执行的操作。	请切换为自动模式以外的模式之后，再次执行。
81501017	21E7	请设定为自动模式。	1	进行了非自动模式下不能执行的操作。	请切换为自动模式之后，再次执行。

错码	RC7 编码	信息	等级	说明	恢复处理
81501018	21EB	双重安全开关接通状态下不能执行。	1	进行了双重安全开关 ON 时不能执行的操作。	请关闭双重安全开关之后再次执行。
81501019	21EC	请将双重安全开关设为 ON。	1	进行了非双重安全开关 ON 时不能执行的操作。	请接通双重安全开关之后再次执行。
8150101A	2008	紧急停止接通状态下不能执行。	1	进行了紧急停止 ON 时不能执行的操作。	请关闭紧急停止后，再次执行。
8150101B	21ED	请将紧急停止设为 ON。	1	进行了只有紧急停止 ON 时才能执行的操作。	请接通紧急停止后，再次执行。
8150101C	21EE	瞬间停止接通状态下不能执行。	1	进行了瞬间停止 ON 时不能执行的操作。	请关闭瞬间停止后，再次执行。
8150101D	21EF	请将瞬间停止设为 ON。	1	进行了只有瞬间停止 ON 时才能执行的操作。	请接通瞬间停止后，再次执行。
8150101E	21F0	步骤停止为 ON 的状态下不能执行。	1	进行了步骤停止 ON 时不能执行的操作。	请关闭步骤停止后，再次执行。
8150101F	21F1	请将步骤停止设为 ON。	1	进行了只有步骤停止 ON 时才能执行的操作。	请接通步骤停止后，再次执行。
81501020	21F2	自动允许 ON 的状态下不能执行。	1	进行了自动允许 ON 时不能执行的操作。	请关闭自动允许后，再次执行。
81501021	21F3	请将自动允许设为 ON。	1	进行了只有自动允许 ON 时才能执行的操作。	请接通自动允许后，再次执行。
81501022		防护停止接通状态下不能执行。	1	进行了防护停止 ON 时不能执行的操作。	请关闭防护停止后，再次执行。
81501023		请将防护停止设为 ON。	1	进行了只有防护停止 ON 时才能执行的操作。	请接通防护停止后，再次执行。
83501024	21F7	不能取得机械臂信号	3	1. 没有取得机械臂信号的程序企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他程序已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
81501025	21D3	发生错误时不能执行。	1	进行了在发生错误的状态下不能执行的操作。	清除错误之后请再次执行。
83501026		请将启动权设置到多功能教导器上。	3	在多功能教导器没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从多功能教导器进行了机器人运行或者电机 ON 或者启动 PacScript 的操作。	请对多功能教导器设定启动权，并重新执行。
83501027	2289	请将启动权设为 I/O。	3	在 I/O 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 I/O 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 I/O 设定启动权，并重新执行。

错码	RC7 编码	信息	等级	说明	恢复处理
83501028	2287	请将启动权设置到以太网上。	3	在以太网没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从以太网进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对以太网设定启动权，并重新执行。
83501029	2288	请设定启动权的 IP 地址。	3	在 IP 地址没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 IP 地址进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请设定启动权的 IP 地址并重新执行。
8350102A	2284	请将启动权设置到 COM2 上。	3	在 COM2 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 COM2 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 COM2 设定启动权，并重新执行。
8350102B	2285	请将启动权设置到 COM3 上。	3	在 COM3 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 COM3 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 COM3 设定启动权，并重新执行。
8350102C	2286	请将启动权设置到 COM4 上。	3	在 COM4 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 COM4 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 COM4 设定启动权，并重新执行。
8350102D		请将启动权设置到 COM5 上。	3	在 COM5 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 COM5 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 COM5 设定启动权，并重新执行。
8350102E		请将启动权设置到 COM6 上。	3	在 COM6 没有启动权(电机 ON 与机器人运行与启动 PacScript 的权利)的状态下，从 COM6 进行了电机 ON 或者机器人运行或者启动 PacScript 的操作。	请对 COM5 设定启动权，并重新执行。
8350102F	6308	制动器的解除状态下不能执行。	3	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。

错码	RC7 编码	信息	等级	说明	恢复处理
83501030		有的机器人处于制动器解除状态中。	3	在有机器人处于解除制动器过程的状态下进行了不能执行的操作。	请在所有机器人的制动器锁定状态下重新执行。
83501031		请解除制动器。	3	进行了非解除制动器时不能执行的操作。	请在解除制动后重新执行。
83501032	2254	在子局模式下不能执行。	3	进行子局模式下不能执行的操作。	请在解除子局模式后重新执行。
83501033		请设为子局模式。	3	进行了非子局模式下不能执行的操作。	请在置于子局模式后重新执行。
83501034		在初始化时不能执行	3	在启动控制器电源后的初始化处理时进行了不能执行的操作。	请在初始化处理结束后，再次执行。
83501035	73FF	处理程序停止时不能执行。	3	程序停止处理时进行了不能执行的操作。	稍等之后，请再次执行。当对所有任务发出停止指令后，直到所有任务均停止前，处于停止处理中的状态。
83501036		请在实机上执行。	3	进行了虚拟状态不能执行的操作。	请在实机上执行。
83501037		在实机上不能执行。	3	进行了在实机上不能执行的操作。	仅支持虚拟操作。请不要在实机上操作。
83501038	21BD	编辑程序时不能执行。	3	进行了程序编辑时不能执行的操作。	请在编辑完程序后重新执行。
83501039	21BE	编辑参数时不能执行。	3	进行了参数编辑时不能执行的操作。	请在编辑完参数后重新执行。
8350103A		3D 显示时不能执行。	3	进行了 3D 显示状态下不能执行的操作。	请在 3D 显示后重新执行。
8350103B		在特权任务运行过程中不能执行。	3	进行了特权任务运行时不能执行的操作。	请在特权任务停止后重新执行。
8350103C		请运行特权任务。	3	进行了非特权任务运行时不能执行的操作。	请在特权任启动后重新执行。
8350103D		在操作盘任务运行过程中不能执行。	3	进行了操作盘任务运行时不能执行的操作。	请在操作盘任务停止后重新执行。
8350103E		请运行操作盘任务。	3	进行了非操作盘任务运行时不能执行的操作。	请在操作盘任务启动后重新执行。
8350103F	6750	未执行 CALSET 时，不能执行。	3	进行了只有执行 CALSET 才能执行的操作。	请执行 CALSET 后，再次执行。
83501040		有的机器人未执行 CALSET。	3	在有机器人未执行 CALSET 的状态下进行了操作。	请执行 CALSET 后，再次执行。
83501041	6750	编码器基准位置异常时不能执行。	3	进行了编码器基准位置异常的状态下不能执行的操作。	请在解除编码器基准位置异常状态后，重新执行。
83501042		有的机器人的编码器基准位置异常。	3	在有机器人的编码器基准位置异常的状态下进行了不能执行的操作。	请在解除编码器基准位置异常状态后，重新执行。

错码	RC7 编码	信息	等级	说明	恢复处理
80501043		没有读取的通信权。	0	没有读取的通信权。	请在设定读取通信权后，重新执行。
80501044		没有写入的通信权。	0	没有写入的通信权。	请在设定读取／写入通信权后，重新执行。
83501045		语法检查时不能执行。	3	进行了检查程序的语法时不能执行的操作。	请在检查完程序语法后，重新执行。
80501046		电机 ON 状态下不能执行。	0	进行了在电机 ON 时不能执行的操作。	请在关闭电机后重新执行。
80501047		机器锁定接通状态下无法执行。	0	机器锁定接通状态下进行了不能执行的操作。	请重新执行机器锁定关闭。
83501048		有的机器人处于暂停状态，不能执行。	3	在机器人暂停的状态下进行了操作。	请停止控制机器人动作的程序，然后重新执行。
81501049		传输数据时［PC->RC］不能执行。	1	进行了传输数据时［PC->RC］不能执行的操作。	请在数据传输结束后，重新执行。
8150104A		传输数据时［RC->PC］不能执行。	1	进行了传输数据时［RC->PC]不能执行的操作。	请在数据传输结束后，重新执行。
8150104B		传输数据时［USB->RC］不能执行。	1	进行了传输数据时［USB->RC］不能执行的操作。	请在数据传输结束后，重新执行。
8150104C		传输数据时［RC->USB］不能执行。	1	进行了传输数据时［RC->USB]不能执行的操作。	请在数据传输结束后，重新执行。
8150104D		CALSET 时不能执行。	1	进行了在 CALSET 上不能执行的操作。	请结束 CALSET 后，再次执行。
8050104E		显示程序一览状态时不能执行。	0	执行了程序一览显示时不能进行的处理。	请关闭程序列表画面，并重新执行。
8150104F		自动增益调节时不能执行。	1	进行了自动增益调节时不能执行的操作。	请在自动增益调节结束后，重新执行。
81501050		直接模式下不能执行。	1	进行了直接模式下不能执行的操作。	请在直接模式结束后，重新执行。
81501051		调整 Z 轴气动平衡时不能执行。	1	进行了调整 Z 轴气动平衡时不能执行的操作。	请在完成 Z 轴气动平衡器的调整后，重新执行。
81501052		手动运行时不能执行。	1	进行了手动运行时不能执行的操作。	请在完成手动操作后，重新执行。
81501053		设定微动速度时不能执行。	1	设定微动速度时不能执行。	请将速度设定中的 "Inching" 置于 OFF。
81501054		显示工具设定画面的状态时不能执行。	1	执行了显示工具设定画面的状态下不能进行的处理。	请关闭工具设定画面，并重新执行。
81501055		显示工件设定画面的状态时不能执行。	1	执行了显示工件设定画面的状态下不能进行的处理。	请关闭工件设定画面，并重新执行。
81501056		显示区域设定画面的状态时不能执行。	1	执行了显示区域设定画面的状态下不能进行的处理。	请关闭区域设定画面，并重新执行。

错码	RC7编码	信息	等级	说明	恢复处理
81501057		显示变量一览的状态时不能执行。	1	执行了显示变量一览的状态下不能进行的处理。	请关闭变量一览画面，并重新执行。
81501058		显示参数编辑画面的状态时不能执行。	1	执行了显示参数编辑画面的状态下不能进行的处理。	请关闭参数编辑画面，并重新执行。
81501059		删除文件时不能执行。	1	执行了删除文件时不能进行的处理。	请在删除文件结束后，重新执行。
8350105A		You cannot execute a command in the Remote control mode.	3	This operation is not available in the Remote control mode.	Terminate the Remote control and then retry.
8350105B		Command is not executable during Tracking wizard execution.	3	This operation is not available during tracking wizard execution.	Finish Tracking wizard and then try again.
8350105C		Command is not executable while the Command-Slave is enabled.	3	This operation is not available while the Command-Slave is enabled.	Release the Enable-state of the Command-slave and then try again.
8350105D		Command-Slave is disabled.	3	Command-Slave is disabled.	Enable the Command-slave and then try again.
8350105E		Command is not executable while the Base setting is displayed.	3	This operation is not available while displaying base setting.	Close the Base setting window and try again.
8150105F		Command is not executable during EasyBackup execution.	1	This operation is not available during EasyBackup execution.	Retry after EasyBackup.
83501060		Command is not executable while Extension window is displayed.	3	This operation is not available while displaying extension window.	Close Extension window and try again.
83501061		Command is not executable while vision data is being saved.	3	This command is not executable while visition datas is being saved.	Save the vision data completely, and then retry.
83501062		This command is not available in CC8.	3	This command is not available in CC8.	Revise the program.
83501063		You cannot execute a command until Safety parameters are transferred completely.	3	Failed to execute the command because Safety parameters transfer has not been completed.	Complete Safety parameters tranfer.
81501064		You cannot execute a command during Safety parameters transfer.[PC->RC]	1	This operation is not available during Safety parameters transfer [PC->RC].	Complete Safety parameters transfer and try again.
81501065		You cannot execute a command during Safety parameters transfer.[RC->PC]	1	This operation is not available during Safety parameters transfer [RC->PC].	Complete Safety parameters transfer and try again.
81501066		You cannot execute a command when the SS1 ON	1	This operation is not available while the SS1 is ON.	SS1 OFF and try again.

错码	RC7 编码	信息	等级	说明	恢复处理
81501067		You cannot execute a command during Load estimating.	1	This operation is not available during Load estimating.	Finish Load estimating and try again.
81501068		You cannot execute a command during direct mode.	1	This operation is not available during Direct Mode.	Finish Direct mode and try again.
81501069		Operation preparation is necessary.	1	Operation preparation is necessary.	Prepare for operation.
8150106A		It can be executed only in direct mode.	1	Please execute in direct mode.	Please execute in direct mode.
8150106B		Execution is possible only if login level is programmer or higher.	1	Execution is possible only if login level is programmer or higher.	Please login with programmer or higher.
8350106C		You cannot execute a command while the homing mode is in process.	3	This operation is not available while the homing mode of selective external joint is in process.	Try again after the end of homing mode.
8350106D		It can not be executed in the direct preparation mode.	3	It can not be executed when the Teach-pendant setting is direct preparation mode.	Please cancel direct preparation mode with the Teach-pendant.
8350106E		You cannot motor power is ON while the motor power is OFF.	3	You cannot motor power is ON while the motor power is OFF.	Turn OFF the motor and try again.
8350106F		All programs were Reset-stop because some tasks in the program were not Reset-stop.	3	All programs were Reset-stop because some tasks in the program were not Reset-stop.	Please execute while all programs are Reset-stop.
81501070		You cannot execute a command while motion preparation has not been performed.	1	You cannot execute a command while motion preparation has not been performed.	Prepare for operation.
83501071		It can not be executed while vacuum hand is running.	3	It can not be executed while vacuum hand is running.	Please execute with the vacuum hand stopped.
81501072		You cannot execute a command in ProgramCheck mode.	1	This operation is not available in ProgramCheck mode.	Change the robot mode to other than ProgramCheck mode, and then retry.
81501073		Select ProgramCheck mode to execute the command	1	This operation is available only in ProgramCheck mode.	Select ProgramCheck mode and then retry.
81501074		You cannot execute a command in Remote mode.	1	This operation is not available in Remote mode.	Change the robot mode to other than Remote mode, and then retry.
81501075		Select Remote mode to execute the command	1	This operation is available only in Remote mode.	Select Remote mode and then retry.
81501076		You cannot execute a command in Direct mode.	1	This operation is not available in Direct mode.	Change the robot mode to other than Direct mode, and then retry.

错码	RC7 编码	信息	等级	说明	恢复处理
81501077		Select Direct mode to execute the command	1	This operation is available only in Direct mode.	Select Direct mode and then retry.
81501078		This command is not available while STO State	1	This operation is not available while STO State.	Release STO State and then retry.
83502001	73E4	I/O 范围外。	3	欲操作不存在的 I/O 领域。	请修改要操作的 I/O 编号，并重新执行。
83502002	73E4	专用 I/O 领域。	3	欲操作专用输入输出领域。	请修改要操作的 I/O 编号，并重新执行。
83502003	73E4	非专用 I/O 领域。	3	欲将通用输入输出领域操作为专用输入输出领域。	请修改要操作的 I/O 编号，并重新执行。
83502004	73E4	输入输出领域范围外。	3	I/O 不支持输入输出操作。	请修改对 I/O 实施的操作，并重新执行。
83502005		非模拟输入领域。	3	欲对未设定模拟输入的 I/O 进行 ON/OFF 切换。	请设定虚拟输入后，重新执行。
83502006	2032	不存在的 I/O 指令。	3	执行了专用输入中不存在的指令。	专用输入的指令指定方法发生错误。请在修改后重新执行。
83502007	73E4	不存在的 I/O 分配。	3	指定了不存在的 I/O 分配。	请修改 I/O 配置。
83502008	2033	奇偶校验有错误。	3	专用输入中的奇偶校验不一致。	请在对照奇偶性后打开专用输入的选通信号。
83502009	73E4	非输入领域。	3	在非输入领域进行了输入操作。	请修改要操作的 I/O 编号，并重新执行。
8350200A		非法的实数。	3	通过 DefIO 进行 Float 定义时，未能将位串识别为 Float。	请修改 I/O 列是否是可识别为 Float 的比特，并重新执行。
8350200B	123C	正在准备现场网络通信。	3	未确立现场网络通信。	请修改现场网络的设定。
8350200C	123D	现场网络连接已切断。	3	现场网络连接在确立后被切断。	请确认现场网络主局的参数及电缆状态。
8350200D	125C	现场网络 EEPROM 错误。	3	现场网络的 EEPROM 有错误。	请重新接通电源。
8350200E	125D	现场网络的 IP 地址重复。	3	现场网络装置上设定的 IP 地址与其他的网络机器冲突。	请变更网络设备或现场网络的 IP 地址，且确保不重复。
8350200F	125E	现场网络面板的初始化失败。	3	现场网络面板的初始化失败。	请重新接通电源。
83502010	125F	现场网络的设定失败。	3	现场网络面板的初始化失败。	请重新接通电源。
83502011	1268	现场网络的通信失败。	3	现场网络的连接有错误。	请确认现场网络主局的参数及电缆状态。
83502012	1269	现场网络发生接收超时。	3	获取现场网络的输入时发生超时。	请确认现场网络主局的参数及电缆状态。
83502013	1298	现场网络的发送超时。	3	获取现场网络的输出时发生超时。	请确认现场网络主局的参数及电缆状态。
83502014	1299	现场网络的许可认证失败。	3	欲将不支持主局的现场网络面板作为主局使用。	请确认现场网络板是否对应主局。

错码	RC7 编码	信息	等级	说明	恢复处理
83502015	123F	现场网络的运行时间异常。	3	现场网络的运行时间发生错误。	请确认板的 LED 是否亮起，然后重新接通电源。
83502016	123E	现场网络错误。	3	现场网络发生错误。	请重新接通电源。
83502017	1235	现场网络指令发生超时。	3	现场网络内部的通信处理需要一些时间，发生超时。	请增加相对应的现场网络的超时值。
83502018	123B	现场网络发生错误。	3	现场网络的未定义错误。	请重新接通电源。
83502019		CC-Link 发生错误。	3	CC-Link Slave 通信发生错误。	请确认 CC-Link Slave 的通信参数。
8350201A		DeviceNetMaster 发生错误。	3	DeviceNet Master 通信发生错误。	请确认 DeviceNet Master 的通信参数。
8350201B		DeviceNetSlave 发生错误。	3	DeviceNetSlave 通信发生错误。	请确认 DeviceNet Slave 的通信参数。
8350201C		EtherNet/IPAdapter 发生错误。	3	EtherNet/IP Adapter 通信发生错误。	请确认 EtherNet/IP Adapter 的通信参数。
8350201D		ProfibusSlave 发生错误。	3	Profibus Slave 通信发生错误。	请确认 Profibus Slave 的通信参数。
8350201E		非法的机器人 ID。	3	通过 I/O 指定的 ID 的机器人不存在。	请确认机器人 ID 是否正确。
8150201F		不能变更从禁止状态切换至禁止状态的设定。	1	在 I/O 锁定时欲从禁止状态变更为禁止状态。	请在变更为允许状态后设为禁止状态。
83502020	73E4	数据领域的值错误。	3	该指令未允许数据领域的值的第 15 位 ON。	请修改数据区域的值，并再次执行。
82502021	21F5	指定的程序已经运行。	2	欲通过专用输入运行的程序已处于运行状态。	请修改专用输入指令，并再次执行。
83502022	2003	I/O 数值范围外。	3	专用输入指令不支持在数据领域提交的值。	请修改专用输入的数据区域，并再次执行。
83502023	73E4	非输出领域。	3	对非输出领域的/O 进行了输出设定。	请修改要操作的 I/O 编号，并重新执行。
81502024		当前的 I/O 分配不能使用该功能	1	欲执行 I/O 分配不支持的指令。	请修改专用输入指令，并再次执行。
83502025		非法的装置	3	安装了不支持的现场网络。	请修改安装完毕的现场网络板。
83502027		已指定无效的分配。	3	分配的设定发生错误。	请重新设定配置，并重新接通电源。
85502028		I/O 板规格异常。	5	已指定 I/O NPN 规格，但是安装了 PNP 规格板。	请选择变更 PNP 规格，或者更换为 NPN 规格的板。
85502029		I/O 板规格异常。	5	已指定 I/O PNP 规格，但是安装了 NPN 规格板。	请选择变更 NPN 规格，或者更换为 PNP 规格的板。
8350202A		I/O 指令自变量非法。	3	提交至 I/O 指令的自变量有错误。	I/O 指令中混入非法的自变量。请修改自变量。
8550202B		非法的 I/O 分配。	5	指定了不存在的 I/O 分配。	请修改该配置是否是对应控制器的 I/O 配置。

错码	RC7 编码	信息	等级	说明	恢复处理
8150202C		指定的现场网络装置不存在。	1	1. Robot controller could not recognize the field network device connected. 2. The field network device specified by the project data sent from WINCAPS3 has not been connected. The target device is running in Simulation mode.	1. Reconnect the network device that had been connected to the robot controller. When connecting, be sure to set the field network device vertically to the connector on the robot controller. For details, refer to "Installing Expansion Board" (ID: 1347) in "RC8 SERIES ROBOT CONTROLLER MANUAL". 2. Connect the corresponding field network device.
8350202D		不存在专用输入。	3	不存在专用输入领域。	请重新接通电源。
8150202E		执行停止处理时只能将 I/O 设定为通用输出。	1	执行停止处理时 I/O 未被设定为通用输出。	请重新设定为通用输出 I/O。
8350202F		没有 DeviceNet Slave 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502030		没有 DeviceNet Master 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502031		没有 CC-Link Slave 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502032		没有 Profibus Slave 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502033		没有 EtherNet/IP Adapter 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502034		没有并行 I/O 的许可。	3	没有许可。	如已持有许可证，请进行许可证登录。如未持有许可证，请联系我公司。
83502035		未对指定的现场网络装置进行设定。	3	未设定已安装的板。请使用 Sycon.Net 进行设定。	未设定已安装的现场网络板。请在 PC 上安装 Sycon.Net，并通过网络进行设置。
81502036		机器人运行时(指令值)只能将 I/O 设定为通用输出。	1	在机器人运行时(指令值)I/O 未被设定为通用输出。	请重新设定为通用输出 I/O。

错码	RC7编码	信息	等级	说明	恢复处理
83502037		当前的现场网络装置上不能使用Command-Slave。	3	当前的现场网络装置上不能使用I/O子局。	请安装相对应的现场网络设备。
83502038		Command-Slave数据领域设定异常。	3	IO-Slave所需的数据领域不足。需要输入为188字节、输出为120字节以上的I/O领域。	请变更I/O的网络输入输出值为适当的值。
81502039		特权任务运行时只能将I/O设定为通用输出。	1	在特权任务运行时I/O未被设定为通用输出。	请重新设定为通用输出I/O。
8150203A		机器人运行时(编码器值)只能将I/O设定为通用输出。	1	在机器人运行时(编码器值)I/O未被设定为通用输出。	请重新设定为通用输出I/O。
8150203B		机器人控制器启动完成后只能将I/O设定为通用输出。	1	机器人控制器启动完成后I/O未被设定为通用输出。	请重新设定为通用输出I/O。
8150203C		不存在前端速度输出用的CONTEC公司生产的AO装置。	1	不存在前端速度输出用的CONTEC公司生产的AO装置。	请安装CONTEC公司生产的AO装置。
8150203D		未找到前度速度输出用AO通道。	1	未找到前度速度输出用AO通道。	请在已安装的CONTEC产AO装置的频道编号范围内进行设置。
8150203E		前端速度输出用AO范围的设定失败。	1	前端速度输出用AO范围的设定失败。	请在已安装的CONTEC产AO装置的输出范围内进行设置。
8150203F		前端速度输出用AO的初始化失败。	1	前端速度输出用AO的初始化失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
81502040		获取前端速度失败。	1	获取前端速度失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
81502041		输出前端速度的模拟电压失败。	1	输出前端速度的模拟电压失败。	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
83502042		PROFINET I/O Device:No license	3	No lisence.	Please register license number for the function to the controller. Or contact DENSO WAVE to ask for the new licence.
83502043		EtherCAT Slave:No license	3	No lisence.	Please register license number for the function to the controller. Or contact DENSO WAVE to ask for the new licence.

错码	RC7 编码	信息	等级	说明	恢复处理
83502044		The project is configured as a field network master, but the slave device is connected.	3	The project is configured as a field network master, but the slave device is connected.	The attached device can be used for fielld network slave only. Please exchange it with the field network master device.
81502045		32-bit error number output I/O can only be assigned to the User output and the Internal I/O.	1	32-bit error number output I/O can only be assigned to the user output and the internal I/O.	Change the setting to the User output.
81502046		Battery replacement time output I/O can only be assigned to the User output and the Internal I/O.	1	Change battery time output I/O can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
81502047		Motor-OFF processing output I/O can only be assigned to the User output and the Internal I/O.	1	Motor-OFF processing output I/O can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
81502048		Anomaly detection joint output start port can only be assigned to the User output and the Internal I/O.	1	Anomaly detection joint output start port can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
81502049		Sharp rise pattern output port number can only be assigned to the User output and the Internal I/O.	1	Sharp rise pattern output port number can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
8150204A		Gradual pattern output port number can only be assigned to the User output and the Internal I/O.	1	Gradual pattern output port number can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
8350204B		EtherCATSlave 发生错误。	3	EtherCAT Slave 通信发生错误。	请确认 EtherCAT Slave 的通信参数。
8350204C		It is impossible to operate several I/O ports in different I/O devices.	3	You tried to operate several I/O devices at the same time.	You tried to operate several I/O devices at the same time.
8150204D		This operation is not available because another process is using the same CONTEC Co. AO device.	1	This operation is not available because another process is using the same CONTEC Co. AO device.	Please use a device that does not collides with other process.
8150204E		Current mode output port number can only be assigned to the User output and the Internal I/O.	1	Current mode output port number can only be assigned to the User output and the Internal I/O.	Change the setting to the User output.
8350204F		The start number of sending I/O must be the multiples of 8.	3	The start number of sending IO must be the multiples of 8.	Use multiples of 8 for the start number of sending I/O.

错码	RC7 编码	信息	等级	说明	恢复处理
83502050		Data length of sending I/O must be the multiples of 8.	3	Data length of sending IO must be the multiples of 8.	Set the data length of sending I/O to the multiples of 8.
83502051		The start number of receiving I/O must be the multiples of 8.	3	The start number of receiving IO must be the multiples of 8.	Use multiples of 8 for the start number of receiving I/O.
83502052		Data length of receiving IO must be the multiples of 8.	3	Data length of receiving IO must be the multiples of 8.	Set the data length of receiving I/O to the multiples of 8.
83502053		POWERLINK Controlled Node:No license	3	No lisence.	Please register license number for the function to the controller. Or contact DENSO WAVE to ask for the new licence.
83502054		sercos Slave:No license	3	No lisence.	Please register license number for the function to the controller. Or contact DENSO WAVE to ask for the new licence.
83502055		Command-Slave 数据领域设定异常。	3	IO-Slave 所需的数据领域不足。需要输入为 248 字节、输出为 208 字节以上的 I/O 领域。	请变更 I/O 的网络输入输出值为适当的值。
81502500		子局:与 * 的通信已切断。	1	与子局间的通信被切断。	请确认子局的状态。
85503001		I/O 范围外。	5	欲操作不存在的 I/O 领域。	请修改要操作的 I/O 编号，并重新执行。
83503002		I/O 范围外。	3	欲操作不存在的 I/O 领域。	请修改要操作的 I/O 编号，并重新执行。
83503003		Invalid value for the interpolation method setting	3	Specified interpolation method is invalid.	Select the value from 1 or 0.
83503004		Invalid value for the pass start displacement setting	3	Specified pass start displacement is invalid.	Value range is from -6 to 65535. Revise the value.
83503005		Invalid value for the coordinate type of the target position	3	Specified coordinate type is invalid.	Value range is from 257 to 259. Revise the value.
83503006		Invalid valur for the variable number of the target position	3	Out-of-range value is set for the target position variable.	Value range needs to be a positive number. Revise the value.
83503007		Invalid value for the variable number of the route position (Move_C)	3	Out-of-range value is set for the route position variable of the circular motion.	Value range needs to be a positive number. Revise the value.
83503008		Invalid value for the route number (Move_S)	3	Out-of-range value is set for the route position of the spline motion.	Value range is from 1 through 20. Revise the value.
83503009		Invalid value for the Next option	3	Specified parameter of Next option is invalid.	Select the value for the interpolation method from 1 or 0.
8350300A		Invalid value for the Speed setting	3	Out-of-range value is set for internal speed of Motion option.	Value range is from 0.1 to 100. Revise the value.

错码	RC7 编码	信息	等级	说明	恢复处理
8350300B		Invalid value for the Acceleration setting	3	Out-of-range value is set for internal acceleration speed of Motion option.	Value range is from 0.0001 to 100. Revise the value.
8350300C		Invalid value for the Deceleration setting	3	Out-of-range value is set for internal deceleration speed of Motion option.	Value range is from 0.0001 to 100. Revise the value.
8350300D		Invalid value for the Motion option (operation time)	3	Out-of-range value is set for motion time of Motion option.	Revise the setting so that the motion time is within the setting range. Specify the motion time by integer type. Entering a negative number causes an error.
8350300E		Invalid value for the Motion option (specify by MPS [internal speed])	3	Out-of-range value is set for internal speed (specified by MPS) of Motion option.	Revise the setting so that the internal speed parameter (specified by MPS) is within the setting range. Specify the Speed value (mm/sec) by single precision real number type data. Entering 0 is regarded as it is omitted. Entering a negative number causes an error.
8350300F		Invalid value for the Arm group	3	Specified Arm group is not defined.	Confirm Arm number index setting. Available arm group number is integer-type data between 0 and 31.
83503010		Invalid value for the Arm group KEEP	3	Out-of-range value is set for KEEP parameter.	Check the KEEP parameter index setting. Specify 0 or 1 by integer type.
83503011		Invalid value for the variable number	3	Out-of-range value is set for variable number.	Revise the setting so that the variable number is within the range of global variable.
83503012		Invalid Tool number for tool setting	3	Out-of-range value is set for Tool number.	Check the Tool number index setting. Available tool number is integer-type data between 1 and 63.
83503013		Invalid Tool number for tool changing	3	Out-of-range value is set for Tool number.	Check the Tool number index setting. Available Tool number is integer-type data between 0 and 63.
83503014		Invalid Work number for work setting	3	Out-of-range value is set for Work number.	Check the Work number index setting. Available Work number is integer-type data between 1 and 7.
83503015		Invalid Work number for work changing	3	Out-of-range value is set for Work number.	Check the Work number index setting. Available Work number is integer-type data between 0 and 7.
83503016		Invalid Area number	3	Out-of-range value is set for Area number	Check the Area number index setting. Available Area number is integer-type data between 0 and 31.
83503017		Invalid P-variable number for the center of detection area	3	Out-of-range value is set for Position-type variable for the center of the detection area.	Revise the setting so that the Position-type variable for the center of the detection area is within the range of global variable.
83503018		Invalid V-variable number for the detection area	3	Out-of-range value is set for Vector-type variable for the detection area.	Revise the setting so that the Vector-type variable for detection area is within the range of global variable.

错码	RC7编码	信息	等级	说明	恢复处理
83503019		Invalid Area detection period	3	Specified value for the Area detection period is out-of-range.	Select the area detection period from 0 to 4 by Integer-type data. Available detection periods are 2, 4, 8, 16 and 32ms.
8350301A		Invalid variable parameter for Area Pose	3	Specified value for the Area Pose paramter is out-of-range.	Select the Pose detection range from 0 to 2. Available Pose parameters are Vector-type or Position-type.
8350301B		Invalid variable number for Area Pose	3	Specified value for the Area Pose variable number is out-of-range.	Set a Area Pose variable within the range of global variable.
8350301C		Invalid variable number for four corners of a palette	3	A variable set for the palette 4-corner position is out-of-range.	Set a variable for the palette 4-corner position within the range of global variable.
8350301D		Incorrect output setting during area detection	3	Out-of-range value was set to the area output setting	Check available area output setting. Available value ranges from 0 to 1.
8350301E		Incorrect error detection setting during area detection	3	Out-of-range value was set to the area detection setting	Check available area detection setting. Available value ranges from 0 to 5.
8350301F		Incorrect axis number for the area extended-joint option	3	Out-of-range value was set to the axis number for the area extended-joint option	Specify the extended-joint number by integer-type data. If a robot axis or axis that isn't exist is specified, an error occurs.
83503020		Incorrect JOG motion mode	3	Specified value for the JOG motion mode was out-of-range.	Revise Motion mode setting. Available value for the motion mode is integer-type data between "0" and "2".
83503021		Incorrect JOG motion axis	3	Specified value for the JOG motion axis was out-of-range.	Revise Motion axis setting. Available value for motion axis is integer-type data between "1"(1-axis/X-axis) and "8"(8-axis).
83503022		Incorrect JOG motion direction	3	Specified value for the JOG motion direction was out-of-range.	Revise Motion direction setting. Available motion direction value is integer-type data either "0"(positiove direction) or "1"(negative direction).
83503023		Incorrect speed value	3	Specified value for Speed was out-of-range.	Revise Speed setting. Available value for Speed ranges from 0.1 to 100.
83503024		Incorrect acceleration value	3	Specified value for Acceleration was out-of-range.	Revise Acceleration setting. Available value for Acceleration ranges from 0.0001 to 100.
83503025		Incorrect deceleration value	3	Specified value for Deceleration was out-of-range.	Revise Deceleration setting. Available value for Deceleration ranges from 0.0001 to 100.
83503026		Incorrect ARRIVE ratio	3	Specified value for ARRIVE motion ratio was out-of-range.	Revise ARRIVE motion ratio setting. Motion ratio must be no less than 0 and equal to 100 or less.
83503027		Incorrect Work attribute	3	Specified value for Work attribute of the Work setting was out-of-range.	Revise Work attribute setting. Available value for the motion direction is integer-type data between "0"(standard) and "1"(fixing tool).

错码	RC7 编码	信息	等级	说明	恢复处理
83503028		Incorrect Z-axis thrust	3	Specified value for Z-axis thrust was out-of-range.	Revise Z-axis thrust value. (Unit: N)
83503029		Incorrect P-variable number for storing the error detection position	3	Out-of-range value was set to the P-variable number for storing the area detection position	Revise P-variable number for storing area detection position so that the value is within the range of global variable.
8350302A		Incorrect P-variable number for path point	3	Out-of-range value was set to the P-variable number for path point.	Revise P-variable number for path point so that the value is within the range of global variable.
8350302B		Incorrect V-variable number for the position of the payload center of gravity	3	Out-of-range value was set to the V-variable number for the position of the payload center of gravity.	Revise V-variable number for the position of the payload center of gravity so that the value is within the range of global variable.
8350302C		Incorrect V-variable number for the inertia through the payload center of gravity	3	Out-of-range value was set to the V-variable number for the inertia through the payload center of gravity.	Revise V-variable number for the inertia through the payload center of gravity so that the value is within the range of global variable.
8350302D		Incorrect P-variable number for the force control (force)	3	Out-of-range value was set to the P-variable number for the Force parameter of the force control function.	Revise P-variable number for the Force parameter of the force control function so that the value is within the range of global variable.
8350302E		Incorrect P-variable number for the force control (allowable position deviation)	3	Out-of-range value was set to the P-variable number for Allowable position deviation parameter of the force control function.	Revise P-variable number for Allowable position deviation parameter of the force control function so that the value is within the range of global variable.
8350302F		Incorrect P-variable number for the force control (compliance)	3	Out-of-range value was set to the P-variable number for the Compliance parameter of the force control function.	Revise P-variable number for the Compliance parameter of the force control function so that the value is within the range of global variable.
83503030		Incorrect P-variable number for the force control (damping)	3	Out-of-range value was set to the P-variable number for the Damping parameter of the force control function.	Revise P-variable number for the Damping parameter of the force control function so that the value is within the range of global variable.
83503031		Incorrect P-variable number for the force control (inertia)	3	Out-of-range value was set to the P-variable number for the Inertia parameter of the force control function.	Revise P-variable number for the Inertia parameter of the force control function so that the value is within the range of global variable.
83503032		Incorrect J-variable number for the force control (current limit)	3	Out-of-range value was set to the J-variable number for the Current limit parameter of the force control function.	Revise J-variable number for the Current limit parameter of the force control function so that the value is within the range of global variable.
83503033		Incorrect P-variable number for the force control (offset value)	3	Out-of-range value was set to the P-variable number for the Offset value parameter of the force control function.	Revise P-variable number for the Offset value parameter of the force control function so that the value is within the range of global variable.
83503034		Incorrect J-variable number for the force control (allowable axis deviation)	3	Out-of-range value was set to the J-variable number for the Allowable axis deviation parameter of the force control function.	Revise J-variable number for the Allowable axis deviation parameter of the force control function so that the value is within the range of global variable.

错码	RC7编码	信息	等级	说明	恢复处理
83503035		Incorrect P-variable number for the force control (control rate)	3	Out-of-range value was set to the P-variable number for the Control rate parameter of the force control function.	Revise P-variable number for the Control rate parameter of the force control function so that the value is within the range of global variable.
83503036		Incorrect axis number.	3	Out-of-range value was set to the axis number	Specify the joint number by integer-type data. If a xis that isn't exist is specified, an error occurs.
83503037		Command isn't executable while Stop-ON.	3	Failed to execute because this operation is not available during Stop-ON.	Turn the Stop-OFF and then retry.
83503038		Command isn't executable while Interrupted.	3	Failed to execute because this operation is not available during Interrupted.	While interrupted, only continue and stop commands can be executed.
83503039		Invalid offset number.	3	Invalid offset number　for the error information	Value range needs to be a offset number.
8350303A		Incorrect P-variable number for the force wait condition (travel distance)	3	Out-of-range value was set to the P-variable number for the travel distance parameter of the force control wait condition function.	Revise P-variable number for the travel distance parameter of the force control wait condition function so that the value is within the range of global variable.
8350303B		Incorrect P-variable number for the force wait condition (force and moment)	3	Out-of-range value was set to the P-variable number for the force and moment parameter of the force control wait condition function.	Revise P-variable number for the force and moment parameter of the force control wait condition function so that the value is within the range of global variable.
8350303C		Incorrect program type.	3	Incorrect program type.	Please review set point.
8350303D		Incorrect program number.	3	Incorrect program number.	Please review set point.
8350303E		Incorrect DIO kind.	3	Incorrect DIO kind.	Please review set point.
8350303F		Incorrect DIO Bit input-output number.	3	Incorrect DIO Bit input-output number.	Please review set point.
83503040		Incorrect DIO-Bit output value.	3	Incorrect DIO-Bit output value.	Please review set point.
83503041		Incorrect DIO Byte input-output number.	3	Incorrect DIO Byte input-output number.	Please review set point.
83503042		Incorrect DIO-Byte output value.	3	Incorrect DIO-Byte output value.	Please review set point.
83503043		Incorrect robot parameter number.	3	Incorrect robot parameter number.	Please review set point.
83503044		Incorrect buffer moder.	3	Incorrect buffer moder.	Please review set point.
83503045		Incorrect transition moder.	3	Incorrect transition moder.	Please review set point.
83503046		Incorrect transition parameter.	3	Incorrect transition parameter.	Please review set point.
83503047		Periodic access from the PLC to the controller has been interrupted.	3	Periodic access from the PLC to the controller has been interrupted.	Check the setting of PLC.
83503048		The communication parameter is incorrect.	3	The communication parameter is incorrect.	Check the communication parameter.

错码	RC7 编码	信息	等级	说明	恢复处理
83503049		The communication permission parameter is incorrect.	3	The communication permission parameter is incorrect.	Check the communication permission parameter.
8350304A		The excutable token parameter is incorrect.	3	The excutable token parameter is incorrect.	Check the excutable token parameter.
8350304B		The date parameter is incorrect.	3	The date parameter is incorrect.	Check the date parameter.
8350304C		The calset parameter is incorrect.	3	The calset parameter is incorrect.	Check the calset parameter.
8350304D		The encoder reset parameter is incorrect.	3	The encoder reset parameter is incorrect.	Check the encoder reset parameter.
8350304E		FB multiple run	3	Multiple FB run at the same time.	Do not run multiple.
83505001	27D3	不能获取 1 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505002	27D3	不能获取 2 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505003	27D3	不能获取 3 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505004	27D3	不能获取 4 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505005	27D3	不能获取 5 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。

错码	RC7编码	信息	等级	说明	恢复处理
83505006	27D3	不能获取 6 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505007	27D3	不能获取 7 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
83505008	27D3	不能获取 8 轴信号。	3	1. 没有取得机械臂信号的任务企图执行机器人运行关联命令。 2. 企图取得机械臂信号，但其他任务已取得着机械臂信号。	1. 请通过 TAKEARM 语句取得机械臂信号之后执行机器人运行关联命令。 2. 不要企图多个程序同时取得机械臂信号，请变更程序。
81505011		请执行 J1 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505012		请执行 J2 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505013		请执行 J3 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505014		请执行 J4 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505015		请执行 J5 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505016		请执行 J6 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505017		请执行 J7 CALSET	1	未实施 CALSET。	请进行 CALSET。
81505018		请执行 J8 CALSET	1	未实施 CALSET。	请进行 CALSET。
84505021		请执行 J1 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505022		请执行 J2 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505023		请执行 J3 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505024		请执行 J4 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505025		请执行 J5 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505026		请执行 J6 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505027		请执行 J7 CALSET	4	未实施 CALSET。	请进行 CALSET。

错码	RC7编码	信息	等级	说明	恢复处理
84505028		请执行 J8 CALSET	4	未实施 CALSET。	请进行 CALSET。
84505031		1 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505032		2 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505033		3 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505034		4 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505035		5 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505036		6 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505037		7 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
84505038		8 轴的 CALSET 值在机器人与项目上不同。	4	CALSET 值在机器人与项目上不同。	请确认是否连接到正确的机器人。请确认是否连接到正确的机器人。
81505041		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505042		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505043		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505044		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505045		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505046		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505047		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505048		Abnormal load factor has been detected on the J1d. (Sharp)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.

错码	RC7 编码	信息	等级	说明	恢复处理
81505051		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505052		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505053		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505054		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505055		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505056		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505057		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81505058		Abnormal load factor has been detected on the J1d. (Gradual)	1	Abnormal load factor has been detected.	Stop the operation, and then replace the motor of the symmetry axis.
81509000		该系统中不能使用本功能。	1	欲使用 RC8 不支持的 OS 功能。	该操作无法在 RC8 上执行。
82509001		有效化 EWF 失败。	2	EWF 的有效化失败。	请重新接通电源后再次执行。
82509002		无效化 EWF 失败。	2	EWF 的无效化失败。	请重新接通电源后再次执行。
82509003		COMIT 化 EWF 失败。	2	EWF 的 COMIT 化失败。	请重新接通电源后再次执行。
82509004		COMIT 与无效化 EWF 失败。	2	EWF 的 COMIT 与无效化失败。	请重新接通电源后再次执行。
82509005		即时 COMIT 与无效化 EWF 失败。	2	EWF 的即时 COMIT 与无效化失败。	请重新接通电源后再次执行。
82509006		清空 EWF 保留指令失败。	2	保留 EWF 失败。	请重新接通电源后再次执行。
82509007		检索 EWF 保护容量名失败。	2	检索 EWF 保护容量失败。	请重新接通电源后再次执行。
82509008		获取 EWF 保护容量名列表失败。	2	获取 EWF 保护容量名列表失败。	请重新接通电源后再次执行。
82509009		登录 EWF 保护容量名列表失败。	2	登录 EWF 保护容量名列表失败。	请重新接通电源后再次执行。
8250900A		获取 EWF 保护驱动器名失败。	2	获取 EWF 保护驱动器名失败。	请重新接通电源后再次执行。
8250900B		删除 EWF 保护容量名列表的条目失败。	2	删除 EWF 保护容量名列表的条目失败。	请重新接通电源后再次执行。
8250900C		打开 EWF 保护容量失败。	2	打开 EWF 保护容量失败。	请重新接通电源后再次执行。

错码	RC7 编码	信息	等级	说明	恢复处理
8250900D		关闭 EWF 保护容量失败。	2	关闭 EWF 保护容量失败。	请重新接通电源后再次执行。
8250900E		获取 EWF 保护容量的构成信息失败。	2	获取 EWF 保护容量的构成信息失败。	请重新接通电源后再次执行。
8150900F		EWF 即刻 COMIT 只能在 RAMREG 模式下使用。	1	欲执行 EWF 即刻 COMIT，但是 RC8 中不支持。	该操作无法在 RC8 上执行。
82509020		设定系统时间失败。	2	设定系统时间失败。	请重新接通电源后再次执行。
82509021		设定当地时间失败。	2	设定当地时间失败。	请重新接通电源后再次执行。
82509022		获取时间区失败。	2	获取时间区失败。	请重新接通电源后再次执行。
82509023		设定时间区失败。	2	设定时间区失败。	请重新接通电源后再次执行。
82509024		设定时间区失败。	2	Invalid index id of timezone is specified.	Check the setting of timezone.
82509030		欲设定已使用完的 IP 地址。请重新设定。	2	网络上存在重复的 IP 地址。	请重新在网络上设定无重复的 IP 地址。
82509031		DNS 地址的设定发生问题。	2	设定的 DNS 地址有错误。	请确认已设定的 DNS 地址是否有误，并重新设定。
82509032		WINS 地址的设定发生问题。	2	设定的 WINS 地址有错误。	请确认已设定的 WINS 地址是否有误，并重新设定。
82509033		网络适配器的设定失败。	2	网络适配器的设定失败。	请重新接通电源后再次执行。
82509034		未找到网络适配器。	2	包含 "Local Area Connection" 字符串的网络连接名不存在。	请重新接通电源后再次执行。
82509040		执行内部 Shell 失败。	2	执行内部指令失败。	请重新接通电源，再次执行。
85509041		MDB 已破损。使用上次成功时的文件。	5	检测出机器人控制器的数据库破损，因此已返回上次启动时的数据库。	由于数据库发生损坏，前次启动后的变更未生效。请重新设定。
83509042		MDB 的最优化失败。	3	机器人控制器的数据库最优化失败。	请确认用户领域的使用量，删除无用数据清理空间。
81509043		未通过 EWF 保护系统。	1	未对 C 驱动器执行 EWF 保护。	请将 EWF 设为有效。
81509044		项目的初始化失败。	1	欲恢复 RC8 默认的项目，但失败。	请确认用户领域的使用量，若使用量过多，删除无用数据，并重新接通电源。
81509045		项目复原失败。	1	欲恢复变更前机器人型号的项目，但失败。	请确认用户领域的使用量，若使用量过多，删除无用数据，并重新接通电源。
85509046		存储器容量不足。	5	存储器几乎没有空间。	请重新接通电源。

错码	RC7 编码	信息	等级	说明	恢复处理
81509047		存储器容量警告。	1	存储器的空间减少。	请重新接通电源。
85509048		磁盘容量不足。	5	用户领域几乎没有空间。	请确认用户领域的使用量，并删除无用数据。
81509049		磁盘容量警告。	1	用户领域的空间减少。	请确认用户领域的使用量，并删除无用数据。
8550904A		CPU 温度异常。	5	CPU 温度异常。	Check whether if the exhaust port of fan is not blocked or if the exhaust air is properly expelled from the ventilation port.
8250904B		CPU 温度警告。	2	CPU 温度警告。	Check whether if the exhaust port of fan is not blocked or if the exhaust air is properly expelled from the ventilation port.
8350904C		MDB 的最优化失败。使用上次成功时的文件。	3	机器人控制器的数据库最优化失败，因此已返回上次启动时的数据库。	由于数据库发生损坏，前次启动后的变更未生效。请重新设定。
8150904D	2D31	文件处理失败。	1	文件处理失败。	请重新设定。频繁发生错误时，需要进行控制器的检查、修理。
8250904E		OS 内部处理（1）失败。	2	OS 内部处理（1）失败。	请重新接通电源后再次执行。
8150904F		直接写入文件失败。	1	直接写入文件失败。	请重新设定。频繁发生错误时，需要进行控制器的检查、修理。
81509050		打开备份用 MDB 失败。	1	打开备份用 MDB 失败。	请重新设定。频繁发生错误时，需要进行控制器的检查、修理。
82509051		OS 内部处理（2）失败。	2	OS 内部处理（2）失败。	请重新接通电源后再次执行。
82509052		OS 内部处理（3）失败。	2	OS 内部处理（3）失败。	请重新接通电源后再次执行。
82509053		OS 内部处理（40）失败。	2	OS 内部处理（40）失败。	请重新接通电源后再次执行。
82509054		OS 内部处理（5）失败。	2	OS 内部处理（5）失败。	请重新接通电源后再次执行。
82509055		OS 内部处理（6）失败。	2	OS 内部处理（6）失败。	请重新接通电源后再次执行。
82509056		OS 内部处理（7）失败。	2	OS 内部处理（7）失败。	请重新接通电源后再次执行。
82509057		OS 内部处理（8）失败。	2	OS 内部处理（8）失败。	请重新接通电源后再次执行。
82509058		OS 内部处理（9）失败。	2	OS 内部处理（9）失败。	请重新接通电源后再次执行。
82509059		OS 内部处理（10）失败。	2	OS 内部处理（10）失败。	请重新接通电源后再次执行。
8250905A		OS 内部处理（11）失败。	2	OS 内部处理（11）失败。	请重新接通电源后再次执行。

错码	RC7编码	信息	等级	说明	恢复处理
8250905B		Ethernet adapter abnormal was detected.	2	Ethernet adapter abnormal was detected.	请联系本公司。
8250905C		OS 内部处理 (13) 失败。	2	OS 内部处理 (13) 失败。	请重新接通电源后再次执行。
8250905D		OS 内部处理 (14) 失败。	2	OS 内部处理 (14) 失败。	请重新接通电源后再次执行。
8250905E		OS 内部处理 (15) 失败。	2	OS 内部处理 (15) 失败。	请重新接通电源后再次执行。
8250905F		OS 内部处理 (16) 失败。	2	OS 内部处理 (16) 失败。	请重新接通电源后再次执行。
82509060		OS 内部处理 (17) 失败。	2	OS 内部处理 (17) 失败。	请重新接通电源后再次执行。
82509061		OS 内部处理 (18) 失败。	2	OS 内部处理 (18) 失败。	请重新接通电源后再次执行。
82509062		OS 内部处理 (19) 失败。	2	OS 内部处理 (19) 失败。	请重新接通电源后再次执行。
82509063		OS 内部处理 (20) 失败。	2	OS 内部处理 (20) 失败。	请重新接通电源后再次执行。
82509064		OS 内部处理 (21) 失败。	2	OS 内部处理 (21) 失败。	请重新接通电源后再次执行。
82509065		OS 内部处理 (22) 失败。	2	OS 内部处理 (22) 失败。	请重新接通电源后再次执行。
82509066		OS 内部处理 (23) 失败。	2	OS 内部处理 (23) 失败。	请重新接通电源后再次执行。
82509067		OS 内部处理 (24) 失败。	2	OS 内部处理 (24) 失败。	请重新接通电源后再次执行。
82509068		OS 内部处理 (25) 失败。	2	OS 内部处理 (25) 失败。	请重新接通电源后再次执行。
82509069		OS 内部处理 (26) 失败。	2	OS 内部处理 (26) 失败。	请重新接通电源后再次执行。
8250906A		OS 内部处理 (27) 失败。	2	OS 内部处理 (27) 失败。	请重新接通电源后再次执行。
8250906B		OS 内部处理 (28) 失败。	2	OS 内部处理 (28) 失败。	请重新接通电源后再次执行。
8250906C		获取产品版本失败。	2	获取产品版本失败。	请重新接通电源后再次执行。
8250906D		OS 内部处理 (41) 失败。	2	OS 内部处理 (41) 失败。	请重新接通电源后再次执行。
8250906E		OS 内部处理 (42) 失败。	2	OS 内部处理 (42) 失败。	请重新接通电源后再次执行。
8250906F		OS 内部处理 (43) 失败。	2	OS 内部处理 (43) 失败。	请重新接通电源后再次执行。
82509070		OS 内部处理 (44) 失败。	2	OS 内部处理 (44) 失败。	请重新接通电源后再次执行。
82509071		OS 内部处理 (45) 失败。	2	OS 内部处理 (45) 失败。	请重新接通电源后再次执行。
80509072		获取 CFAST 信息失败 (1)。	0	获取 CFAST 信息失败 (1)。	请重新接通电源后再次执行。
80509073		获取 CFAST 信息失败 (2)。	0	获取 CFAST 信息失败 (2)。	请重新接通电源后再次执行。
80509074		获取 CFAST 信息失败 (3)。	0	获取 CFAST 信息失败 (3)。	请重新接通电源后再次执行。

错码	RC7编码	信息	等级	说明	恢复处理
80509075		获取 CFAST 信息失败 (4)。	0	获取 CFAST 信息失败 (4)。	请重新接通电源后再次执行。
80509076		获取 CFAST 信息失败 (5)。	0	获取 CFAST 信息失败 (5)。	请重新接通电源后再次执行。
80509077		获取 CFAST 信息失败 (6)。	0	获取 CFAST 信息失败 (6)。	请重新接通电源后再次执行。
80509078		获取 CFAST 信息失败 (7)。	0	获取 CFAST 信息失败 (7)。	请重新接通电源后再次执行。
80509079		CFAST 的使用寿命将至。	0	CFAST 的使用寿命将至。	请向本公司服务部门联系。
8550907A		未找到 MDB。使用上次成功时的文件。	5	未找到机器人控制器的数据库，因此已返回上次启动时的数据库。	由于未找到数据库，前次启动后的变更未生效。请重新设定。
8550907B		FPGA 复原失败。	5	FPGA 复原失败。	请向本公司服务部门联系。
8250907C		OS 内部处理 (29) 失败。	2	OS 内部处理 (29) 失败。	请重新接通电源后再次执行。
8250907D		OS 内部处理 (30) 失败。	2	OS 内部处理 (30) 失败。	请重新接通电源后再次执行。
8050907E		OS internal processing (50) failed	0	OS internal processing (50) failed	Reboot the controller and then try again.
8050907F		OS internal processing (51) failed	0	OS internal processing (51) failed	Reboot the controller and then try again.
80509080		OS internal processing (52) failed	0	OS internal processing (52) failed	Reboot the controller and then try again.
80509081		OS internal processing (53) failed	0	OS internal processing (53) failed	Reboot the controller and then try again.
80509082		OS internal processing (54) failed	0	OS internal processing (54) failed	Reboot the controller and then try again.
80509083		OS internal processing (55) failed	0	OS internal processing (55) failed	Reboot the controller and then try again.
80509084		OS internal processing (56) failed	0	OS internal processing (56) failed	Reboot the controller and then try again.
80509085		OS internal processing (57) failed	0	OS internal processing (57) failed	Reboot the controller and then try again.
80509086		OS internal processing (58) failed	0	OS internal processing (58) failed	Reboot the controller and then try again.
80509087		OS internal processing (59) failed	0	OS internal processing (59) failed	Reboot the controller and then try again.
81509088		Failed to open the MDB for the maintenance log.	1	Failed to open the MDB for the maintenancelog.	Reboot the controller. If the error recurs frequently, inspect or repair the controller.
82509089		Failed to check the version of FPGA.	2	Failed to check the version of FPGA.	Contact to DENSO WAVE service.
8550908A		FPGA version is old. Execute "FPGA update".	5	The controller's version is old. Execute "FPGA update".	Select "Setting" – "Login" and login the controller with "Specialist" level. Then select "Special tag" – "F8:FPGA update" process.
8550908B		License file was damaged.	5	License file in the robot controller was damaged.	Contact to DENSO WAVE service.
8150908C		MDB was damaged. The file at the time of a success is used.	1	License file in the robot controller was damaged. The previously used file was restored.	Changes after the latest booting are not recorded because license file was damaged. Configure the changes again.
8250908D		OS internal processing (60) failed	2	OS internal processing (60) failed	Reboot the controller and then try again.

错码	RC7 编码	信息	等级	说明	恢复处理
8250908E		OS internal processing (61) failed	2	OS internal processing (61) failed	Reboot the controller and then try again.
8250908F		OS internal processing (62) failed	2	OS internal processing (62) failed	Reboot the controller and then try again.
82509090		OS internal processing (63) failed	2	OS internal processing (63) failed	Reboot the controller and then try again.
82509091		OS internal processing (64) failed	2	OS internal processing (64) failed	Reboot the controller and then try again.
82509092		OS internal processing (65) failed	2	OS internal processing (65) failed	Reboot the controller and then try again.
82509093		OS internal processing (66) failed	2	OS internal processing (66) failed	Reboot the controller and then try again.
82509094		OS internal processing (67) failed	2	OS internal processing (67) failed	Reboot the controller and then try again.
83509095		Network adaptor currently used does not support jumbo packet.	3	Network adaptor currently used does not support jumbo packet.	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
85509096		Failed to set the jumbo packet.	5	Failed to set the jumbo packet.	请重新接通电源。症状仍未改善时，请联系本公司服务部门。
82509097		OS internal processing (70) failed	2	OS internal processing (70) failed	Reboot the controller and then try again.
82509098		OS internal processing (71) failed	2	OS internal processing (71) failed	Reboot the controller and then try again.
82509099		OS internal processing (72) failed	2	OS internal processing (72) failed	Reboot the controller and then try again.
8250909A		OS internal processing (73) failed	2	OS internal processing (73) failed	Reboot the controller and then try again.
8250909B		OS internal processing (74) failed	2	OS internal processing (74) failed	Reboot the controller and then try again.
8250909C		OS internal processing (75) failed	2	OS internal processing (75) failed	Reboot the controller and then try again.
8250909D		OS internal processing (76) failed	2	OS internal processing (76) failed	Reboot the controller and then try again.
8250909E		OS internal processing (77) failed	2	OS internal processing (77) failed	Reboot the controller and then try again.
8250909F		OS internal processing (78) failed	2	OS internal processing (78) failed	Reboot the controller and then try again.
825090A0		OS internal processing (79) failed	2	OS internal processing (79) failed	Reboot the controller and then try again.
805090A1		Damages on the file system were detected but it have been recovered successfully.	0	Damages on the file system were detected but it have been recovered successfully.	If this symptom recurs frequently, please contact to DENSO WAVE service.
845090A2		Disk was damaged. Disk may have been degraded.	4	Disk was damaged. Disk might have been degraded.	Contact to DENSO WAVE service.
815090A3		OS internal processing (80) failed	1	OS internal processing (80) failed	Reboot the controller and then try again.
815090A4		OS internal processing (81) failed	1	OS internal processing (81) failed	Reboot the controller and then try again.
835090A5		Failed to change the language.	3	Failed to change the language.	Reboot the controller and then try again.
825090A6		OS 内部处理 (31) 失败。	2	OS 内部处理 (31) 失败。	请重新接通电源后再次执行。
825090A7		OS 内部处理 (32) 失败。	2	OS 内部处理 (32) 失败。	请重新接通电源后再次执行。
825090A8		OS 内部处理 (33) 失败。	2	OS 内部处理 (33) 失败。	请重新接通电源后再次执行。

错码	RC7 编码	信息	等级	说明	恢复处理
825090A9		OS 内部处理 (34) 失败。	2	OS 内部处理 (34) 失败。	请重新接通电源后再次执行。
825090AA		OS 内部处理 (35) 失败。	2	OS 内部处理 (35) 失败。	请重新接通电源后再次执行。
825090AB		OS 内部处理 (36) 失败。	2	OS 内部处理 (36) 失败。	请重新接通电源后再次执行。
825090AC		OS 内部处理 (90) 失败。	2	OS 内部处理 (90) 失败。	请重新接通电源后再次执行。
825090AD		OS 内部处理 (91) 失败。	2	OS 内部处理 (91) 失败。	请重新接通电源后再次执行。
825090AE		OS 内部处理 (92) 失败。	2	OS 内部处理 (92) 失败。	请重新接通电源后再次执行。
825090AF		OS 内部处理 (93) 失败。	2	OS 内部处理 (93) 失败。	请重新接通电源后再次执行。
825090B0		OS 内部处理 (94) 失败。	2	OS 内部处理 (94) 失败。	请重新接通电源后再次执行。
825090B1		OS 内部处理 (95) 失败。	2	OS 内部处理 (95) 失败。	请重新接通电源后再次执行。
825090B2		OS 内部处理 (96) 失败。	2	OS 内部处理 (96) 失败。	请重新接通电源后再次执行。
825090B3		OS 内部处理 (97) 失败。	2	OS 内部处理 (97) 失败。	请重新接通电源后再次执行。
825090B4		OS 内部处理 (98) 失败。	2	OS 内部处理 (98) 失败。	请重新接通电源后再次执行。
825090B5		Failed in device setting of the COM port.	2	Failed in device setting of the COM port.	请重新接通电源后再次执行。
835090B6		Failed to change the Camera.	3	Failed to change the Camera.	Reboot the controller and then try again.
825090B7		OS 内部处理 (100) 失败。	2	OS 内部处理 (100) 失败。	请重新接通电源后再次执行。
825090B8		OS 内部处理 (101) 失败。	2	OS 内部处理 (101) 失败。	请重新接通电源后再次执行。
825090B9		OS 内部处理 (102) 失败。	2	OS 内部处理 (102) 失败。	请重新接通电源后再次执行。
825090BA		OS 内部处理 (99) 失败。	2	OS 内部处理 (99) 失败。	请重新接通电源后再次执行。
825090BB		OS 内部处理 (103) 失败。	2	OS 内部处理 (103) 失败。	请重新接通电源后再次执行。
825090C0		未通过 UWF 保护系统。	2	未对 C 驱动器执行 UWF 保护。	请将 UWF 设为有效。
825090C1		OS 内部处理 (110) 失败。	2	OS 内部处理 (110) 失败。	请重新接通电源后再次执行。
825090C2		OS 内部处理 (111) 失败。	2	OS 内部处理 (111) 失败。	请重新接通电源后再次执行。
825090C3		OS 内部处理 (112) 失败。	2	OS 内部处理 (112) 失败。	请重新接通电源后再次执行。
825090C4		OS 内部处理 (113) 失败。	2	OS 内部处理 (113) 失败。	请重新接通电源后再次执行。
825090C5		OS 内部处理 (114) 失败。	2	OS 内部处理 (114) 失败。	请重新接通电源后再次执行。
825090C6		OS 内部处理 (115) 失败。	2	OS 内部处理 (115) 失败。	请重新接通电源后再次执行。

错码	RC7 编码	信息	等级	说明	恢复处理
825090C7		OS 内部处理（116）失败。	2	OS 内部处理（116）失败。	请重新接通电源后再次执行。
825090C8		OS 内部处理（117）失败。	2	OS 内部处理（117）失败。	请重新接通电源后再次执行。
825090C9		OS 内部处理（118）失败。	2	OS 内部处理（118）失败。	请重新接通电源后再次执行。
825090CA		OS 内部处理（119）失败。	2	OS 内部处理（119）失败。	请重新接通电源后再次执行。
825090CB		OS 内部处理（120）失败。	2	OS 内部处理（120）失败。	请重新接通电源后再次执行。
825090CC		OS 内部处理（121）失败。	2	OS 内部处理（121）失败。	请重新接通电源后再次执行。
825090CD		OS 内部处理（122）失败。	2	OS 内部处理（122）失败。	请重新接通电源后再次执行。
825090CE		OS 内部处理（123）失败。	2	OS 内部处理（123）失败。	请重新接通电源后再次执行。
825090CF		OS 内部处理（124）失败。	2	OS 内部处理（124）失败。	请重新接通电源后再次执行。
825090D0		OS 内部处理（125）失败。	2	OS 内部处理（125）失败。	请重新接通电源后再次执行。
825090D1		OS 内部处理（126）失败。	2	OS 内部处理（126）失败。	请重新接通电源后再次执行。
825090D2		OS 内部处理（127）失败。	2	OS 内部处理（127）失败。	请重新接通电源后再次执行。
825090D3		OS 内部处理（128）失败。	2	OS 内部处理（128）失败。	请重新接通电源后再次执行。
825090D4		OS 内部处理（129）失败。	2	OS 内部处理（129）失败。	请重新接通电源后再次执行。
825090D5		OS 内部处理（130）失败。	2	OS 内部处理（130）失败。	请重新接通电源后再次执行。
825090D6		Failed to check the version of MCU	2	Failed to check the version of MCU.	Contact to DENSO WAVE service.
855090D7		MCU 复原失败。	5	MCU 复原失败。	请向本公司服务部门联系。
855090D8		Failed to restore FPGA.	5	Failed to restore of FPGA.	Please carry it out once again without switching it off. When the situation is not improved, please contact to DENSO WAVE service.
855090D9		ServoMCU version is old. Execute "MCU VersionUp".	5	The robot's ServoMCU version is old. Execute "MCU　VersionUp".	Select [F6 Setting] – [F1 Login] and login the controller with "Maintainer" level. Then select [F6 Setting] – [F8 Option] – [F9 MCU VersionUp] process.
834A0001		Flange speed limit over	3	It was detected flange speed excessive in automatic mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0002		Flange speed limit over	3	It was detected flange speed excessive in manual mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A0003		TCP speed limit over	3	It was detected TCP speed excessive in automatic mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0004		TCP speed limit over	3	It was detected TCP speed excessive in manual mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0005		Arm monitoring points speed limit over	3	It was detected arm monitoring points speed excessive in automatic mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0006		Arm monitoring points speed limit over	3	It was detected arm monitoring points speed excessive in manual mode.	Please decrease the operating speed. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0011		Can not area monitoring.	5	Can not area monitoring.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0012		Detected a collision of the robot.	3	Detected a collision of the robot.	Please move the robot to not collide position. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A0013		Detected a error in the encoder	3	Can not correct the encoder data.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0014		Failed to access the FIFO	5	Failed to access the FIFO.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0015		Safety parameter CRC mismatch	5	Safety parameter CRC mismatch.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0016		Safety parameter out of range	5	Safety parameter out of range.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A0017		Detected sequence violation	5	Detected sequence violation.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0018		Detected a stack access violation	5	Detected a stack access violation.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0019		Detected a error in the interrupt process	5	Detected a error in the interrupt process.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A001A		Detected a error in the ROM	5	Detected a error in the ROM.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A001B		Controller type does not match	5	Controller type does not match.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A001C		Failed to initialize the safety monitoring device	5	Failed to initialize the safety monitoring device.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A001D		Failed to initialize the safety monitoring processor	5	Failed to initialize the safety monitoring processor.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A001E		Internal parameter out of range	5	Internal parameter out of range.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A001F		Failed to Safe reference position check	3	Failed to safe reference position check.	After moving the robot to the reference position, please put safe reference position check input.
834A0020		Detected the positional deviation at the time of power OFF	3	Detected the positional deviation at the time of power OFF.	After moving the robot to the reference position, please put safe reference position check input.

错码	RC7 编码	信息	等级	说明	恢复处理
834A0021		Safe reference position check output was turned OFF	3	Safe reference position check output was turned OFF.	After moving the robot to the reference position, please put safe reference position check input.
854A0022		Detected a error in the RAM	5	Detected a error in the RAM.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0023		Detected a error in the executable code	5	Detected a error in the executable code.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A0024		Detected a error in the external-RAM	5	Detected a error in the external-RAM.	请将错误编号与错误名告知本公司服务部。
854A1000		Motor on circuit error (ON1)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1001		Motor on circuit error (OFF1)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1002		Motor on circuit error (ON2)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1003		Motor on circuit error (OFF2)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1004		Motor on circuit error (BUFON)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1005		Motor on circuit error (BUFOFF)	5	Motor on circuit error is detected.	请将错误编号与错误名告知本公司服务部。
834A1300		Emergency-stop signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O emergency-stop signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1301		Emergency-stop signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O emergency-stop signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1302		Emergency-stop signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O emergency-stop signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1303		Emergency-stop signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O emergency-stop signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1304		Deadman switch signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O deadman switch signal input circuit 1.	请将错误编号与错误名告知本公司服务部。
834A1305		Deadman switch signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O deadman switch signal input circuit 2.	请将错误编号与错误名告知本公司服务部。
834A1306		Deadman switch signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O deadman switch signal input circuit 1.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
834A1307		Deadman switch signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O deadman switch signal input circuit 2.	请将错误编号与错误名告知本公司服务部。
834A1308		Enable-auto signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O enable-auto signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on Enable-auto signal connection. Once you check that all Enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1309		Enable-auto signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O enable-auto signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on enable-auto signal connection. Once you check that all enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A130A		Enable-auto signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O enable-auto signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on enable-auto signal connection. Once you check that all enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A130B		Enable-auto signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O enable-auto signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on enable-auto signal connection. Once you check that all enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A130C		Protective-stop signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O protective-stop signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on enable-auto signal connection. Once you check that all enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A130D		Protective-stop signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O protective-stop signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on protective-stop signal connection. Once you check that all protective-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A130E		Protective-stop signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O protective-stop signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on protective-stop signal connection. Once you check that all protective-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A130F		Protective-stop signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O protective-stop signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on protective-stop signal connection. Once you check that all protective-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1310		Auto-mode signal input circuit diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O auto-mode signal input circuit.	请将错误编号与错误名告知本公司服务部。
834A1311		Manual-mode signal input circuit diagnosis signal is undetected	3	Diagnosis signal is undetected at safety I/O manual-mode signal input circuit.	请将错误编号与错误名告知本公司服务部。
834A1312		Auto-mode signal input circuit diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O auto-mode signal input circuit.	请将错误编号与错误名告知本公司服务部。
834A1313		Manual-mode signal input circuit diagnosis signal failure	3	Diagnosis signal failure is detected at safety I/O manual-mode signal input circuit.	请将错误编号与错误名告知本公司服务部。
834A1340		SS2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O SS2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1341		SS2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O SS2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1342		SS2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O SS2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1343		SS2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O SS2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1344		RSM1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1345		RSM1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1346		RSM1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1347		RSM1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1348		RSM2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1349		RSM2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A134A		RSM2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A134B		RSM2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A134C		RSM3 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM3 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A134D		RSM3 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O RSM3 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A134E		RSM3 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM3 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A134F		RSM3 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O RSM3 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1350		Tool number input 0 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 0 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1351		Tool number input 0 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 0 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1352		Tool number input 0 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O TOOL0 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1353		Tool number input 0 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 0 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1354		Tool number input 1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1355		Tool number input 1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1356		Tool number input 1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1357		Tool number input 1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1358		Tool number input 2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1359		Tool number input 2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A135A		Tool number input 2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 2 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A135B		Tool number input 2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 2 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A135C		Tool number input 3 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 3 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A135D		Tool number input 3 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O tool number input 3 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A135E		Tool number input 3 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 3 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A135F		Tool number input 3 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O tool number input 3 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1360		Monitoring area 0 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 0 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1361		Monitoring area 0 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 0 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1362		Monitoring area 0 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 0 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1363		Monitoring area 0 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 0 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1364		Monitoring area 1 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 1 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1365		Monitoring area 1 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 1 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1366		Monitoring area 1 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 1 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1367		Monitoring area 1 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 1 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1368		Monitoring area 2 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 2 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1369		Monitoring area 2 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 2 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A136A		Monitoring area 2 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 2 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A136B		Monitoring area 2 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 2 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A136C		Monitoring area 3 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 3 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A136D		Monitoring area 3 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring area 3 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A136E		Monitoring area 3 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 3 disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A136F		Monitoring area 3 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring area 3 disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1370		Monitoring disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1371		Monitoring disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O monitoring disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1372		Monitoring disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring disable signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1373		Monitoring disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O monitoring disable signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1374		SS1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O SS1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1375		SS1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O SS1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1376		SS1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O SS1 signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1377		SS1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O SS1 signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1378		Safe reference position check signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O safe reference position check signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1379		Safe reference position check signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O safe reference position check signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A137A		Safe reference position check signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O safe reference position check signal input circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A137B		Safe reference position check signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O safe reference position check signal input circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1380		STO monitor signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety I/O STO monitor signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on STO Monitor signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1381		STO monitor signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety I/O STO monitor signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on STO Monitor signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1382		STO monitor signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety I/O STO monitor signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on STO monitor signal connection. Once you check that all STO monitor wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1383		STO monitor signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety I/O STO monitor signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on STO monitor signal connection. Once you check that all STO monitor wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1384		Auto-mode signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety I/O auto-mode signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on Auto Mode output signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1385		Auto-mode signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety I/O auto-mode signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on Auto Mode output signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1386		Auto-mode signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety I/O auto-mode signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on auto-mode signal connection. Once you check that all auto-mode wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1387		Auto-mode signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety I/O auto-mode signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on auto-mode signal connection. Once you check that all auto-mode wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13B0		STO monitor circuit failure	5	Circuit failure detected at safety I/O STO monitor.	请将错误编号与错误名告知本公司服务部。
854A13B1		STO monitor circuit welding is detected	5	Circuit welding detected at safety I/O STO monitor.	请将错误编号与错误名告知本公司服务部。
854A13C0		SLP signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O SLP signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on SLP signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C1		SLP signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O SLP signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on SLP signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13C2		SLP signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O SLP signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SLP signal connection. Once you check that all SLP wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C3		SLP signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O SLP signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SLP signal connection. Once you check that all SLP wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C4		RSM1 signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM1 signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C5		RSM1 signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM1 signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13C6		RSM1 signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM1 signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C7		RSM1 signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM1 signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C8		RSM2 signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM2 signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13C9		RSM2 signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM2 signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13CA		RSM2 signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM2 signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13CB		RSM2 signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM2 signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13CC		RSM3 signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM3 signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13CD		RSM3 signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RSM3 signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13CE		RSM3 signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM3 signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13CF		RSM3 signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RSM3 signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D0		RPM signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RPM signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RPM signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D1		RPM signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O RPM signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on RPM signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13D2		RPM signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RPM signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on RPM signal connection. Once you check that all RPM wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D3		RPM signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O RPM signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on RPM signal connection. Once you check that all RPM wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D4		SOS signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O SOS signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on SOS signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D5		SOS signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O SOS signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on SOS signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13D6		SOS signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O SOS signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on SOS signal connection. Once you check that all SOS wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D7		SOS signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O SOS signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on SOS signal connection. Once you check that all SOS wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D8		Safe reference position check signal output circuit 1 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O safe reference position check signal output circuit 1.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on reference-position-confirmation signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13D9		Safe reference position check signal output circuit 2 diagnosis signal is undetected	5	Diagnosis signal is undetected at safety-motion I/O safe reference position check signal output circuit 2.	If Mini I/O power supply is set to external power supply (i.e., the initial value before shipping), this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on reference-position-confirmation signal connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A13DA		Safe reference position check signal output circuit 1 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O safe reference position check signal output circuit 1.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A13DB		Safe reference position check signal output circuit 2 diagnosis signal failure	5	Diagnosis signal failure is detected at safety-motion I/O safe reference position check signal output circuit 2.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A1400		Motor on enable circuit error (1)	5	Motor on enable circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1401		Motor on enable circuit error (2)	5	Motor on enable circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1402		Motor on enable circuit error (BUFF)	5	Motor on enable circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1500		Safety monitoring circuit over voltage (1.1V)	5	Safety monitoring circuit over voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1501		Safety monitoring circuit over voltage (1.8V)	5	Safety monitoring circuit over voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1503		Safety monitoring circuit over voltage (2.5V)	5	Safety monitoring circuit over voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1504		Safety monitoring circuit over voltage (3.3V)	5	Safety monitoring circuit over voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1505		Safety monitoring circuit over voltage (5V)	5	Safety monitoring circuit over voltage is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
854A1508		Safety monitoring circuit under voltage (1.1V)	5	Safety monitoring circuit under voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1509		Safety monitoring circuit under voltage (1.8V)	5	Safety monitoring circuit under voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A150B		Safety monitoring circuit under voltage (2.5V)	5	Safety monitoring circuit under voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A150C		Safety monitoring circuit under voltage (3.3V)	5	Safety monitoring circuit under voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A150D		Safety monitoring circuit under voltage (5V)	5	Safety monitoring circuit under voltage is detected.	请将错误编号与错误名告知本公司服务部。
854A1510		Over voltage diagnosis circuit of safety monitoring circuit error (1.1V)	5	Over voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1511		Over voltage diagnosis circuit of safety monitoring circuit error (1.8V)	5	Over voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1513		Over voltage diagnosis circuit of safety monitoring circuit error (2.5V)	5	Over voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1514		Over voltage diagnosis circuit of safety monitoring circuit error (3.3V)	5	Over voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1515		Over voltage diagnosis circuit of safety monitoring circuit error (5V)	5	Over voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1518		Under voltage diagnosis circuit of safety monitoring circuit error (1.1V)	5	Under voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1519		Under voltage diagnosis circuit of safety monitoring circuit error (1.8V)	5	Under voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A151B		Under voltage diagnosis circuit of safety monitoring circuit error (2.5V)	5	Under voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
854A151C		Under voltage diagnosis circuit of safety monitoring circuit error (3.3V)	5	Under voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A151D		Under voltage diagnosis circuit of safety monitoring circuit error (5V)	5	Under voltage diagnosis circuit of safety monitoring circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1600		Safety monitoring device watch dog timer error	5	Safety monitoring device watch dog timer error is detected.	请将错误编号与错误名告知本公司服务部。
854A1608		Safety monitoring device watch dog timer circuit error	5	Safety monitoring device watch dog timer circuit error is detected.	请将错误编号与错误名告知本公司服务部。
854A1700		STO register cross monitoring error	5	Safety monitoring device STO register mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1701		SS1 register cross monitoring error	5	Safety monitoring device SS1 register mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1702		INT-ST register cross monitoring error	5	Safety monitoring device INT-ST register mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1703		MODE register cross monitoring error	5	Safety monitoring device MODE register mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1708		Sequence count cross monitoring error	5	Safety monitoring device sequence count mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1709		Sequence monitoring execution time cross monitoring error	5	Safety monitoring device sequence monitoring execution time mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1710		Brake diagnosis setting cross monitoring error	5	Safety monitoring device brake diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1718		SS1 auto-mode timer setting cross monitoring error	5	Safety monitoring device SS1 auto-mode timer setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A171C		SS1 manual-mode timer setting cross monitoring error	5	Safety monitoring device SS1 manual-mode timer setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1720		Brake switching setting cross monitoring error	5	Safety monitoring device brake switching setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1733		Enable-auto input setting cross monitoring error	5	Safety monitoring device enable-auto input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1740		SS2 input setting cross monitoring error	5	Safety monitoring device SS2 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1741		RSM1 input setting cross monitoring error	5	Safety monitoring device RSM1 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1742		RSM2 input setting cross monitoring error	5	Safety monitoring device RSM2 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1743		RSM3 input setting cross monitoring error	5	Safety monitoring device RSM3 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1744		Tool number input 0 setting cross monitoring error	5	Safety monitoring device tool number input 0 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1745		Tool number input 1 setting cross monitoring error	5	Safety monitoring device tool number input 1 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1746		Tool number input 2 setting cross monitoring error	5	Safety monitoring device tool number input 2 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1747		Tool number input 3 setting cross monitoring error	5	Safety monitoring device tool number input 3 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1748		Monitoring area 0 disable input setting cross monitoring error	5	Safety monitoring device monitoring area 0 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1749		Monitoring area 1 disable input setting cross monitoring error	5	Safety monitoring device monitoring area 1 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A174A		Monitoring area 2 disable input setting cross monitoring error	5	Safety monitoring device monitoring area 2 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A174B		Monitoring area 3 disable input setting cross monitoring error	5	Safety monitoring device monitoring area 3 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A174C		Monitoring disable input setting cross monitoring error	5	Safety monitoring device monitoring disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A174D		SS1 input setting cross monitoring error	5	Safety monitoring device SS1 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A174E		Safe reference position check input setting cross monitoring error	5	Safety monitoring device safe reference position check input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1750		Area-sensor SS2 input setting cross monitoring error	5	Safety monitoring device area-sensor SS2 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1751		Area-sensor RSM1 input setting cross monitoring error	5	Safety monitoring device area-sensor RSM1 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1752		Area-sensor RSM2 input setting cross monitoring error	5	Safety monitoring device area-sensor RSM2 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1753		Area-sensor RSM3 input setting cross monitoring error	5	Safety monitoring device area-sensor RSM3 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1754		Area-sensor tool number input 0 setting cross monitoring error	5	Safety monitoring device area-sensor tool number input 0 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1755		Area-sensor tool number input 1 setting cross monitoring error	5	Safety monitoring device area-sensor tool number input 1 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1756		Area-sensor tool number input 2 setting cross monitoring error	5	Safety monitoring device area-sensor tool number input 2 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1757		Area-sensor tool number input 3 setting cross monitoring error	5	Safety monitoring device area-sensor tool number input 3 setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1758		Area-sensor monitoring area 0 disable input setting cross monitoring error	5	Safety monitoring device area-sensor monitoring area 0 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1759		Area-sensor monitoring area 1 disable input setting cross monitoring error	5	Safety monitoring device area-sensor monitoring area 1 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A175A		Area-sensor monitoring area 2 disable input setting cross monitoring error	5	Safety monitoring device area-sensor monitoring area 2 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A175B		Area-sensor monitoring area 3 disable input setting cross monitoring error	5	Safety monitoring device area-sensor monitoring area 3 disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A175C		Area-sensor monitoring disable input setting cross monitoring error	5	Safety monitoring device area-sensor monitoring disable input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A175D		Area-sensor SS1 input setting cross monitoring error	5	Safety monitoring device area-sensor SS1 input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A175E		Area-sensor safe reference position check input setting cross monitoring error	5	Safety monitoring device area-sensor safe reference position check input setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1760		Auto-mode output setting cross monitoring error	5	Safety monitoring device auto-mode output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A1770		SLP output setting cross monitoring error	5	Safety monitoring device SLP output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1771		RSM1 output setting cross monitoring error	5	Safety monitoring device RSM1 output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1772		RSM2 output setting cross monitoring error	5	Safety monitoring device RSM2 output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1773		RSM3 output setting cross monitoring error	5	Safety monitoring device RSM3 output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1774		RPM output setting cross monitoring error	5	Safety monitoring device RPM output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1775		SOS output setting cross monitoring error	5	Safety monitoring device SOS output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1776		Safe reference position check output setting cross monitoring error	5	Safety monitoring device safe reference position check output setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1780		Motor ON back check monitor cross monitoring error	5	Safety monitoring device motor ON back check monitor mismatch is detected.	请将错误编号与错误名告知本公司服务部。
854A1784		Brake release back check monitor cross monitoring error	5	Safety monitoring device brake release back check monitor mismatch is detected.	请将错误编号与错误名告知本公司服务部。
854A1790		Encoder communication setting cross monitoring error	5	Safety monitoring device encoder communication setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17A0		Emergency-stop input signal cross monitoring error	3	Safety monitoring device emergency-stop input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17A1		Deadman switch input signal cross monitoring error	3	Safety monitoring device deadman switch input signal mismatch is detected.	请将错误编号与错误名告知本公司服务部。
834A17A2		Enable-auto input signal cross monitoring error	3	Safety monitoring device enable-auto input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on enable-auto signal connection. Once you check that all enable-auto wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17A3		Protective-stop input signal cross monitoring error	3	Safety monitoring device protective-stop input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on protective-stop signal connection. Once you check that all protective-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17A4		Manual/auto-mode input signal cross monitoring error	3	Safety monitoring device manual/auto-mode input signal mismatch is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
834A17B0		SS2 input signal cross monitoring error	3	Safety monitoring device SS2 input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B1		RSM1 input signal cross monitoring error	3	Safety monitoring device RSM1 input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B2		RSM2 input signal cross monitoring error	3	Safety monitoring device RSM2 input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B3		RSM3 input signal cross monitoring error	3	Safety monitoring device RSM3 input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17B4		Tool number input 0 signal cross monitoring error	3	Safety monitoring device tool number input 0 signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B5		Tool number input 1 signal cross monitoring error	3	Safety monitoring device tool number input 1 signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B6		Tool number input 2 signal cross monitoring error	3	Safety monitoring device tool number input 2 signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B7		Tool number input 3 signal cross monitoring error	3	Safety monitoring device tool number input 3 signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17B8		Monitoring area 0 disable input signal cross monitoring error	3	Safety monitoring device monitoring area 0 disable input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17B9		Monitoring area 1 disable input signal cross monitoring error	3	Safety monitoring device monitoring area 1 disable input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17BA		Monitoring area 2 disable input signal cross monitoring error	3	Safety monitoring device monitoring area 2 disable input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17BB		Monitoring area 3 disable input signal cross monitoring error	3	Safety monitoring device monitoring area 3 disable input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17BC		Monitoring disable input signal cross monitoring error	3	Safety monitoring device monitoring disable input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17BD		SS1 input signal cross monitoring error	3	Safety monitoring device SS1 input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17BE		Safe reference position check input signal cross monitoring error	3	Safety monitoring device safe reference position check input signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17C0		STO monitor output signal cross monitoring error	3	Safety monitoring device STO monitor output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on STO monitor signal connection. Once you check that all STO monitor wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17C1		Auto-mode output signal cross monitoring error	3	Safety monitoring device auto-mode output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on auto-mode signal connection. Once you check that all auto-mode wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17D0		SLP output signal cross monitoring error	3	Safety monitoring device SLP output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on SLP signal connection. Once you check that all SLP wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17D1		RSM1 output signal cross monitoring error	3	Safety monitoring device RSM1 output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17D2		RSM2 output signal cross monitoring error	3	Safety monitoring device RSM2 output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17D3		RSM3 output signal cross monitoring error	3	Safety monitoring device RSM3 output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A17D4		RPM output signal cross monitoring error	3	Safety monitoring device RPM output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on RPM signal connection. Once you check that all RPM wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17D5		SOS output signal cross monitoring error	3	Safety monitoring device SOS output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on SOS signal connection. Once you check that all SOS wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17D6		Safe reference position check output signal cross monitoring error	3	Safety monitoring device safe reference position check output signal mismatch is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion output connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A17E0		Motor ON status cross monitoring error	3	Safety monitoring device motor ON status mismatch is detected.	请将错误编号与错误名告知本公司服务部。
834A17E1		Brake release status cross monitoring error	3	Safety monitoring device brake release status mismatch is detected.	请将错误编号与错误名告知本公司服务部。
854A17F0		Emergency-stop input signal diagnosis setting cross monitoring error	5	Safety monitoring device emergency-stop input signal diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A17F1		Deadman switch input signal diagnosis setting cross monitoring error	5	Safety monitoring device deadman switch input signal diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A17F2		Enable-auto input signal diagnosis setting cross monitoring error	5	Safety monitoring device enable-auto input signal diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A17F3		Protective-stop input signal diagnosis setting cross monitoring error	5	Safety monitoring device protective-stop input signal diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A17F4		Auto/manual-mode input signal diagnosis setting cross monitoring error	5	Safety monitoring device auto/manual-mode input signal diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1801		Motor off function for deadman switch diagnosis setting cross monitoring error	5	Safety monitoring device motor off function for deadman switch diagnosis setting mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1810		Controller type cross monitoring error	5	Safety monitoring device controller type mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A1900		Motor on lamp main circuit error	5	Motor on lamp main circuit error	请将错误编号与错误名告知本公司服务部。
854A1901		Motor on lamp 1 circuit error	5	Motor on lamp 1 circuit error	请将错误编号与错误名告知本公司服务部。
854A1902		Motor on lamp 2 circuit error	5	Motor on lamp 2 circuit error	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A00		Area-sensor SS2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor SS2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A01		Area-sensor SS2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor SS2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A02		Area-sensor SS2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor SS2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A03		Area-sensor SS2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor SS2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A04		Area-sensor RSM1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A05		Area-sensor RSM1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A06		Area-sensor RSM1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A07		Area-sensor RSM1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A08		Area-sensor RSM2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A09		Area-sensor RSM2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A0A		Area-sensor RSM2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A0B		Area-sensor RSM2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A0C		Area-sensor RSM3 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A0D		Area-sensor RSM3 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor RSM3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A0E		Area-sensor RSM3 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A0F		Area-sensor RSM3 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor RSM3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A10		Area-sensor tool number input 0 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 0 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A11		Area-sensor tool number input 0 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 0 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A12		Area-sensor tool number input 0 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor TOOL0 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A13		Area-sensor tool number input 0 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 0 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A14		Area-sensor tool number input 1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A15		Area-sensor tool number input 1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A16		Area-sensor tool number input 1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A17		Area-sensor tool number input 1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A18		Area-sensor tool number input 2 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A19		Area-sensor tool number input 2 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A1A		Area-sensor tool number input 2 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A1B		Area-sensor tool number input 2 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A1C		Area-sensor tool number input 3 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A1D		Area-sensor tool number input 3 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor tool number input 3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A1E		Area-sensor tool number input 3 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A1F		Area-sensor tool number input 3 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor tool number input 3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A20		Area-sensor monitoring area 0 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A21		Area-sensor monitoring area 0 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A22		Area-sensor monitoring area 0 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A23		Area-sensor monitoring area 0 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A24		Area-sensor monitoring area 1 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A25		Area-sensor monitoring area 1 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A26		Area-sensor monitoring area 1 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A27		Area-sensor monitoring area 1 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A28		Area-sensor monitoring area 2 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A29		Area-sensor monitoring area 2 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A2A		Area-sensor monitoring area 2 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A2B		Area-sensor monitoring area 2 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A2C		Area-sensor monitoring area 3 disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A2D		Area-sensor monitoring area 3 disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A2E		Area-sensor monitoring area 3 disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A2F		Area-sensor monitoring area 3 disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A30		Area-sensor monitoring disable signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A31		Area-sensor monitoring disable signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor monitoring disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A32		Area-sensor monitoring disable signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A33		Area-sensor monitoring disable signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor monitoring disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A34		Area-sensor SS1 signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor SS1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A35		Area-sensor SS1 signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor SS1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

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834A1A36		Area-sensor SS1 signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor SS1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A37		Area-sensor SS1 signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor SS1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A38		Area-sensor safe reference position check signal input circuit 1 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor safe reference position check signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A39		Area-sensor safe reference position check signal input circuit 2 diagnosis signal is undetected	3	Diagnosis signal is undetected at safety-motion I/O area-sensor safe reference position check signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A3A		Area-sensor safe reference position check signal input circuit 1 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor safe reference position check signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A3B		Area-sensor safe reference position check signal input circuit 2 diagnosis signal failure	3	Diagnosis signal failure is detected at safety-motion I/O area-sensor safe reference position check signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A80		Area-sensor SS2 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor SS2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A81		Area-sensor SS2 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor SS2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS2 signal connection. Once you check that all SS2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A84		Area-sensor RSM1 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A85		Area-sensor RSM1 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM1 signal connection. Once you check that all RSM1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A88		Area-sensor RSM2 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A89		Area-sensor RSM2 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM2 signal connection. Once you check that all RSM2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A8C		Area-sensor RSM3 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A8D		Area-sensor RSM3 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor RSM3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on RSM3 signal connection. Once you check that all RSM3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A90		Area-sensor tool number input 0 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 0 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A91		Area-sensor tool number input 0 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 0 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 0 signal connection. Once you check that all tool number input 0 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A94		Area-sensor tool number input 1 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A95		Area-sensor tool number input 1 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 1 signal connection. Once you check that all tool number input 1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A98		Area-sensor tool number input 2 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 2 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A99		Area-sensor tool number input 2 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 2 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 2 signal connection. Once you check that all tool number input 2 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1A9C		Area-sensor tool number input 3 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 3 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1A9D		Area-sensor tool number input 3 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor tool number input 3 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on tool number input 3 signal connection. Once you check that all tool number input 3 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AA0		Area-sensor monitoring area 0 disable signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AA1		Area-sensor monitoring area 0 disable signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 0 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 0 disable signal connection. Once you check that all monitoring area 0 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1AA4		Area-sensor monitoring area 1 disable signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AA5		Area-sensor monitoring area 1 disable signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 1 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 1 disable signal connection. Once you check that all monitoring area 1 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AA8		Area-sensor monitoring area 2 disable signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1AA9		Area-sensor monitoring area 2 disable signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 2 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 2 disable signal connection. Once you check that all monitoring area 2 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AAC		Area-sensor monitoring area 3 disable signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AAD		Area-sensor monitoring area 3 disable signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring area 3 disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring area 3 disable signal connection. Once you check that all monitoring area 3 disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1AB0		Area-sensor monitoring disable signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring disable signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AB1		Area-sensor monitoring disable signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor monitoring disable signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on monitoring disable signal connection. Once you check that all monitoring disable wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AB4		Area-sensor SS1 signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor SS1 signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A1AB5		Area-sensor SS1 signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor SS1 signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on SS1 signal connection. Once you check that all SS1 wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AB8		Area-sensor safe reference position check signal input circuit 1 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor safe reference position check signal input circuit 1.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A1AB9		Area-sensor safe reference position check signal input circuit 2 diagnosis signal detection error	3	Diagnosis signal is detected at safety-motion I/O area-sensor safe reference position check signal input circuit 2.	Please confirm the safety parameters, and retransmit them. If error still occurs, check if there are no short circuit, ground fault, or improper connection for two lines on safe reference position check signal connection. Once you check that all safe reference position check wirings are properly connected, remove the safety-motion input connector and then reboot the robot controller. If the error doesn't occur, revise the connection. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7编码	信息	等级	说明	恢复处理
834A2001		You cannot execute a command with this controller	3	This operation is not available with this robot controller.	请将错误编号与错误名告知本公司服务部。
854A2002		Safety monitoring module version mismatch	5	Safety monitoring module version mismatch	请将错误编号与错误名告知本公司服务部。
854A2101		Safety monitoring device watch dog timer error	5	Safety monitoring device communication stopped.	请将错误编号与错误名告知本公司服务部。
854A2102		Safety monitoring device synchronization error	5	Do not synchronize with safety monitoring device.	请将错误编号与错误名告知本公司服务部。
854A2103		Synchronization error between safety monitoring devices	5	Do not synchronize between safety monitoring devices.	请将错误编号与错误名告知本公司服务部。
854A2104		Safety monitoring device is configuring	5	Safety monitoring device is configuring.	请将错误编号与错误名告知本公司服务部。
854A2111		Initialization of safety monitoring processor is not completed	5	Initialization of safety monitoring processor is not completed.	请将错误编号与错误名告知本公司服务部。
854A2112		Safety monitoring processor initialization error	5	Failed to initialize safety monitoring processor.	请将错误编号与错误名告知本公司服务部。
854A2121		Safety monitoring device communication command error	5	Communication command error with safety monitoring device is detected.	请将错误编号与错误名告知本公司服务部。
854A2122		Safety monitoring device communication line error	5	Communication line error with safety monitoring device is detected.	请将错误编号与错误名告知本公司服务部。
854A2201		Failed to query safety monitoring device about error detail	5	Failed to query safety monitoring device about error detail.	请将错误编号与错误名告知本公司服务部。
854A2202		Failed to query safety monitoring device about controller type	5	Failed to query safety monitoring device about controller type.	请将错误编号与错误名告知本公司服务部。
854A2203		Failed to query safety monitoring device about safety monitoring status	5	Failed to query safety monitoring device about safety monitoring status.	请将错误编号与错误名告知本公司服务部。
854A2204		Failed to query safety monitoring device about safety monitoring data	5	Failed to query safety monitoring device about safety monitoring data.	请将错误编号与错误名告知本公司服务部。
854A2205		Failed to query safety monitoring device about synchronization status	5	Failed to query safety monitoring device about synchronization status.	请将错误编号与错误名告知本公司服务部。
854A2206		Failed to query safety monitoring device about safety monitoring processor initialization status	5	Failed to query safety monitoring device about safety monitoring processor initialization status.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
834A2207		Failed to query safety monitoring device about software version	3	Failed to query safety monitoring device about software version.	请将错误编号与错误名告知本公司服务部。
854A2211		Failed to initialize error notification process on safety monitoring device	5	Failed to initialize error notification process on safety monitoring device.	请将错误编号与错误名告知本公司服务部。
854A2311		Safety motion I/O external power supply is connected in reverse polarity	5	24V and GND input of safety motion I/O external power supply is connected inversely.	Check the safety motion I/O external power supply wiring. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A2312		I/O internal power supply is specified, but external power is supplied to safety motion I/O	5	This controller is configured to I/O internal power supply, and cannot get external I/O power supply to safety motion I/O.	Change the controller setting for the external I/O power supply or check the safety motion I/O power supply wiring. If the error still occurs, please contact DENSO WAVE service with error number and error message.
804A2313		I/O external power supply is specified, but external power is not supplied to safety motion I/O	0	This controller is configured to I/O external power supply. External power supply is required to use safety motion I/O functions.	Change the controller setting for the internal I/O power supply, or check the safety motion I/O power supply wiring. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A2314		No output voltage from safety motion I/O internal power supply	5	Safety motion I/O internal power supply output has stopped because of the power supply unit failure.	请将错误编号与错误名告知本公司服务部。
834A2315		Safety motion I/O external power supply is stopped	3	Safety motion I/O external power supply error is detected.	Check the safety motion external I/O power supply wiring. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A2401		Safety monitoring processor detects error	3	Cannot turn motor power ON while safety monitoring processor detects error.	Check the cause of safety monitoring processor error. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A2402		Safety monitoring device detects error	3	Cannot turn motor power ON while safety monitoring device detects error.	Check the cause of safety monitoring device error. If error still occurs, please contact DENSO WAVE service with error number and error message.
834A2411		Safety monitoring processor detects error	3	Cannot release brake while safety monitoring processor detects error.	Check the cause of safety monitoring processor error. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A2412		Safety monitoring device detects error	3	Cannot release brake while safety monitoring device detects error.	Check the cause of safety monitoring device error. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A2501		Failed to detect safety motion board	5	Safety motion.board detecting status mismatch is detected.	请将错误编号与错误名告知本公司服务部。
854A2502		Failed to detect robot controller specifications	5	Controller specifications mismatch is detected.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A2503		Undefined controller specifications	5	Undefined controller specifications	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A2504		This robot controller does not support safety motion type.	5	This robot controller is not support safety motion type, because it is not connected to safety motion board.	Please confirm the safety parameters, and retransmit them. If error still occurs, please contact DENSO WAVE service with error number and error message.
854A2505		Failed to detect board revision number	5	Board revision number detecting status mismatch is detected.	请将错误编号与错误名告知本公司服务部。
854A2801		Failed to open safety monitoring driver module	5	Failed to open safety monitoring driver module.	请将错误编号与错误名告知本公司服务部。
854A2802		Failed to connect safety monitoring driver module	5	Failed to connect safety monitoring driver module.	请将错误编号与错误名告知本公司服务部。
854A2803		Safety monitoring driver module is not connected.	5	Safety monitoring driver module is not connected.	请将错误编号与错误名告知本公司服务部。
854A2804		Safety monitoring controller module is not connected.	5	Safety monitoring controller module is not connected.	请将错误编号与错误名告知本公司服务部。
854A2805		Failed to communicate with safety monitoring driver module	5	Failed to communicate with safety monitoring driver module.	请将错误编号与错误名告知本公司服务部。
854A2811		Event open error	5	Unexpected error. Failed to open event at the system startup.	请将错误编号与错误名告知本公司服务部。
854A2812		生成事件失败。	5	无法预测的错误。系统启动时事件生成失败。	请将错误编号与错误名告知本公司服务部。
854A2813		Thread creation error	5	Unexpected error. Failed to create thread at the system startup.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
854A2814		线程的优先顺序设定失败。	5	无法预测的错误。系统启动时的主线程运行优先顺序设置失败。	请将错误编号与错误名告知本公司服务部。
854A2821		Failed to load safety parameters.	5	Failed to load safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A2822		Failed to transfer safety parameter.	3	Failed to transfer safety parameter.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A2831		Safety monitoring device undefined error is detected	5	Safety monitoring device undefined error is detected.	请将错误编号与错误名告知本公司服务部。
854A2832		Failed to notice safety monitoring device error	5	Error was notified by safety monitoring device, but there are not error detail.	请将错误编号与错误名告知本公司服务部。
854A2833		Failed to query safety monitoring driver module about error detail	5	Failed to query safety monitoring driver module about error detail.	请将错误编号与错误名告知本公司服务部。
854A2841		Robot controller specifications error	5	Standard type project is used for Safety-I/O-less type robot controller.	Send safety-I/O-less type project from WINCAPSIII.
854A2842		Robot controller specifications error	5	Safety motion type project is used for Safety-I/O-less type robot controller.	Send safety-I/O-less type project from WINCAPSIII.
854A2843		Robot controller specifications error	5	Safety-I/O-less type project is used for standard type robot controllers.	Send standard type project data from WINCAPSIII.
854A2844		Robot controller specifications error	5	Safety motion type project is used for standard type robot controllers.	Send standard type project data from WINCAPSIII.
854A2845		Robot controller specifications error	5	Safety-I/O-less type project is used for safety motion type robot controllers.	Send safety motion type project from WINCAPSIII.
854A2846		Robot controller specifications error	5	Standard type project is used for Safety motion type robot controller.	Send safety motion type project from WINCAPSIII.
854A2851		Robot type Is mismatched between the project and safety parameters.	5	Robot type Is mismatched between the project and safety parameters.	Send project same as safety parameters from WINCAPSIII.
844A2852		Failed to get safety monitoring device about version.	4	Failed to get safety monitoring device about version.	请将错误编号与错误名告知本公司服务部。
834A300A		完成该操作所需的数据尚不能使用。	3	Process was not completed in the system.	请将错误编号与错误名告知本公司服务部。
834A3401		未安装。	3	Non-implemented process was called in the system.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
834A3402		该接口不存在。	3	Unintended process was executed in the system.	请将错误编号与错误名告知本公司服务部。
834A3403		光标非法。	3	Invalid pointer was used in the system.	请将错误编号与错误名告知本公司服务部。
834A3404		处理中断。	3	Process was cancelled in the system.	请将错误编号与错误名告知本公司服务部。
834A3405		处理失败。	3	Safety monitoring module operation failed.	请将错误编号与错误名告知本公司服务部。
834A3705		拒绝访问。	3	Safety monitoring module operation access was denied.	请将错误编号与错误名告知本公司服务部。
834A3706		手柄操作非法。	3	Invalid handle was used in the system.	请将错误编号与错误名告知本公司服务部。
834A370E		内存分配失败。	3	Failed to allocate memory in the system.	请将错误编号与错误名告知本公司服务部。
834A3757	6003	参数有误。	3	指定错误的参数后执行了操作。	请将错误编号与错误名告知本公司服务部。
834A3FFF		发生意外错误。	3	Unintended process was executed in the system.	请将错误编号与错误名告知本公司服务部。
834A4011		J1 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4012		J2 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4013		J3 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4014		J4 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4015		J5 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A4016		J6 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4017		J7 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4018		J8 detected the movement of the stopped	3	it was detected joint movement of the stopped.	Please do not move the robot while SOS (Safe Operating Stop). If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4021		J1 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4022		J2 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4023		J3 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4024		J4 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4025		J5 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4026		J6 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A4027		J7 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4028		J8 software limit over	3	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4031		J1 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4032		J2 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4033		J3 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4034		J4 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4035		J5 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4036		J6 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4037		J7 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4038		J8 external joint speed limit over	3	It was detected external joint speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4041		J1 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A4042		J2 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4043		J3 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4044		J4 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4045		J5 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4046		J6 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4047		J7 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4048		J8 external joint speed limit over	3	It was detected external joint speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4051		Link 1 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4052		Link 2 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4053		Link 3 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4054		Link 4 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4055		Link 5 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
834A4056		Link 6 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4057		Link 7 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4058		Link 8 speed limit over	3	It was detected link speed excessive in automatic mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4061		Link 1 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4062		Link 2 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4063		Link 3 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4064		Link 4 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4065		Link 5 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4066		Link 6 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4067		Link 7 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
834A4068		Link 8 speed limit over	3	It was detected link speed excessive in manual mode.	Please decrease the operating speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A0100		STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A0101		3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0102		5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0103		Emergency stop input circuit error	4	Emergency stop input circuit error is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on emergency-stop signal connection. Once you check that all emergency-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. This error may occur when the emergency stop is input immediately after performing motion preparation. Please check there is no emergency stop input immediately after performing motion preparation. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0104		Protective stop input circuit error	4	Protective stop input circuit error is detected.	Check if there are no short circuit, ground fault, or improper connection for two lines on protective-stop signal connection. Once you check that all protective-stop wirings are properly connected, remove the mini I/O connector and then reboot the robot controller. If the error doesn't occur, revise the connection. This error may occur when the protective-stop is input immediately after performing motion preparation. Please check there is no protective-stop input immediately after performing motion preparation. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A0105		STO state output circuit error	5	STO state output error is detected.	If Mini I/O power supply is set to external power supply, this error occurs. Check the power supply. Check if there are no short circuit, ground fault, or improper connection for two lines on STO Monitor output signal connection. When changing the setting from external source to internal source, change from WINCAPSIII and send parameters. It can be changed from [Project] – [Parameter] – [I/O] – [No.59 I/O Power Mode]. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A0106		STO state output circuit error(CPUs)	5	STO state output error is detected(CPUs).	Please contact DENSO WAVE service with error number and error message.
854A0107		AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0108		AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0109		AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A010A		Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A010B		sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A010C		execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
844A010D		emergency stop input mismatch	4	Mismatch of emergency stop input was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
844A010E		protective stop input mismatch	4	Mismatch of protective stop input was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A010F		sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0110		stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0111		CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A0112		interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0113		Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A0114		Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0115		Internal RAM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A0116		Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A0117		Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A0118		Safety parameter setting error	5	Failed to set safety parameters.	Please contact DENSO WAVE service with error number and error message.
854A0119		Initialize error	5	Failed to initialize the safety monitoring processor.	Please contact DENSO WAVE service with error number and error message.
854A011A		Internal error	5	Internal error of the safety monitoring processor.	Please contact DENSO WAVE service with error number and error message.
854A011B		Communication error	5	Communication error of the safety monitoring processor.	Please contact DENSO WAVE service with error number and error message.
854A011C		CAN error	5	CAN communication failed.	Please contact DENSO WAVE service with error number and error message.
854A011D		Timeout error	5	A timeout is detected by the safety monitoring processor.	Please contact DENSO WAVE service with error number and error message.
854A011E		sto state input mismatch	5	Mismatch of sto state input was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A011F		watch dog timer error	5	Watch dog timer error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0180		Safety I/O monitoring device communication error (UNREC)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0181		Safety I/O monitoring device communication error (CRC)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A0182		Safety I/O monitoring device communication error (FM)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0183		Safety I/O monitoring device communication error (BS)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0184		Safety I/O monitoring device communication error (BM)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0185		Safety I/O monitoring device communication error (EXT)	4	Safety I/O monitoring device communication error is detected.	Please contact DENSO WAVE service with error number and error message.
844A0200		Safety parameter update error	4	Safety parameter update failure is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0201		Safety parameter update mode change timeout	4	Safety parameter update mode change timeout is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0202		Safety parameter erase timeout	4	Safety parameter erase timeout is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0203		Safety parameter write timeout	4	Safety parameter write timeout is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0204		Safety parameter read timeout	4	Safety parameter read timeout is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0218		Safety parameter erase error	4	Safety parameter erase error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A0219		Safety parameter crc error	4	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A021A		Safety parameter range error	4	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A021B		Safety parameter write error	4	Safety parameter write error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A021D		Safety parameter access error	4	Safety parameter access error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A021E		Safety parameter update timeout	4	Safety parameter update timeout is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5001		J1 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5002		J2 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5003		J3 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5004		J4 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5005		J5 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5006		J6 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5007		J7 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5008		J8 speed limit over	4	Speed exceeding the monitoring speed of each axis is detected.	Please revise the monitoring speed. Please revise the operation so as not to exceed the monitoring speed. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5011		J1 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5012		J2 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5013		J3 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5014		J4 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5015		J5 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5016		J6 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5017		J7 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5018		J8 torque limit over	4	Torque exceeding the monitoring torque of each axis is detected.	Please revise the monitoring torque. Please revise the operation so as not to exceed the monitoring torque. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5021		J1 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5022		J2 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5023		J3 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5024		J4 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5025		J5 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5026		J6 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5027		J7 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5028		J8 STO circuit error	5	STO circuit error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5031		J1 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5032		J2 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5033		J3 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5034		J4 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5035		J5 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5036		J6 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5037		J7 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5038		J8 3.3V error	5	3.3 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5041		J1 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5042		J2 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5043		J3 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5044		J4 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5045		J5 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5046		J6 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5047		J7 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5048		J8 5V error	5	5 V power supply error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5051		J1 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5052		J2 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5053		J3 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5054		J4 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5055		J5 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5056		J6 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5057		J7 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5058		J8 STO state output circuit error	5	STO state output error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5061		J1 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5062		J2 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5063		J3 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5064		J4 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5065		J5 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5066		J6 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5067		J7 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5068		J8 SLS diagnosis error	4	SLS diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5071		J1 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5072		J2 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5073		J3 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5074		J4 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5075		J5 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5076		J6 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5077		J7 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
844A5078		J8 SLT diagnosis error	4	SLT diagnosis error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5081		J1 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5082		J2 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5083		J3 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5084		J4 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5085		J5 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5086		J6 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5087		J7 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5088		J8 AD voltage error(0V)	5	AD converter 0.0 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5091		J1 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5092		J2 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5093		J3 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5094		J4 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5095		J5 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5096		J6 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5097		J7 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5098		J8 AD voltage error(3.3V)	5	AD converter 3.3 V error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A50A1		J1 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A2		J2 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A3		J3 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A4		J4 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A5		J5 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A6		J6 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A7		J7 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50A8		J8 AD converter error	5	AD converter error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50B1		J1 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B2		J2 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B3		J3 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B4		J4 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B5		J5 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B6		J6 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B7		J7 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50B8		J8 Safety function result mismatch	5	Mismatch of safety function execution result was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C1		J1 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C2		J2 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A50C3		J3 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C4		J4 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C5		J5 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C6		J6 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C7		J7 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50C8		J8 sequence counter mismatch	5	Mismatch of sequence counter was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D1		J1 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D2		J2 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D3		J3 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D4		J4 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D5		J5 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D6		J6 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D7		J7 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50D8		J8 execution time mismatch	5	Mismatch of execution time was detected in sequence monitor.	Please contact DENSO WAVE service with error number and error message.
854A50E1		J1 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E2		J2 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E3		J3 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E4		J4 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A50E5		J5 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E6		J6 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E7		J7 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50E8		J8 sequence monitor error	5	Sequence monitor error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F1		J1 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F2		J2 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F3		J3 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F4		J4 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F5		J5 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F6		J6 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F7		J7 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A50F8		J8 stack diagnosis error	5	Stack error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5101		J1 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5102		J2 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5103		J3 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5104		J4 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5105		J5 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5106		J6 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5107		J7 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5108		J8 CPU execution code diagnosis error	5	Execution code error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5111		J1 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5112		J2 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5113		J3 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5114		J4 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5115		J5 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5116		J6 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5117		J7 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5118		J8 interrupt error	5	Interrupt process error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5121		J1 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5122		J2 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5123		J3 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5124		J4 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5125		J5 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5126		J6 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5127		J7 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5128		J8 Monitor data ROM diagnosis error	5	Monitoring data rom error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5131		J1 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5132		J2 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5133		J3 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5134		J4 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5135		J5 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5136		J6 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5137		J7 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5138		J8 Calibration data ROM diagnosis error	5	Calibration data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5141		J1 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5142		J2 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5143		J3 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5144		J4 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5145		J5 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5146		J6 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5147		J7 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5148		J8 Program ROM diagnosis error	5	Program data rom error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5151		J1 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5152		J2 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5153		J3 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5154		J4 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5155		J5 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5156		J6 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5157		J7 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5158		J8 internal ROM diagnosis error	5	Internal ram error is detected.	Please contact DENSO WAVE service with error number and error message.
854A5161		J1 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5162		J2 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5163		J3 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5164		J4 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5165		J5 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5166		J6 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5167		J7 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5168		J8 Safety parameter crc error	5	Safety parameter CRC error is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5171		J1 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5172		J2 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5173		J3 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5174		J4 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5175		J5 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5176		J6 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5177		J7 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5178		J8 Safety parameter range error	5	Safety parameter out of range is detected.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5181		J1 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5182		J2 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5183		J3 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5184		J4 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5185		J5 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5186		J6 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5187		J7 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5188		J8 Safety parameter setting error	5	Failed to set safety parameters.	Send safety parameter again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5191		J1 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5192		J2 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5193		J3 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5194		J4 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5195		J5 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5196		J6 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5197		J7 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5198		J8 Initialize error	5	Failed to initialize the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A1		J1 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51A2		J2 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A3		J3 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A4		J4 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A5		J5 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A6		J6 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A7		J7 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51A8		J8 Internal error	5	Internal error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51B1		J1 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B2		J2 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B3		J3 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B4		J4 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B5		J5 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B6		J6 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51B7		J7 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51B8		J8 Communication error	5	Communication error of the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C1		J1 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C2		J2 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C3		J3 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C4		J4 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C5		J5 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C6		J6 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51C7		J7 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51C8		J8 DP error	5	Failed to set DP.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D1		J1 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D2		J2 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D3		J3 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D4		J4 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D5		J5 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51D6		J6 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D7		J7 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51D8		J8 CAN error	5	CAN communication failed.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E1		J1 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E2		J2 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E3		J3 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E4		J4 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A51E5		J5 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E6		J6 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E7		J7 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A51E8		J8 Timeout error	5	A timeout is detected by the safety monitoring processor.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F1		J1 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F2		J2 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F3		J3 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F4		J4 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A51F5		J5 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F6		J6 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F7		J7 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A51F8		J8 software limit over	4	It was detected software limit over.	Please revise the robot position to move within the software limit. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5201		J1 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5202		J2 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5203		J3 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5204		J4 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854A5205		J5 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5206		J6 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5207		J7 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854A5208		J8 watch dog timer error	5	Watch dog timer error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5211		J1 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5212		J2 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5213		J3 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5214		J4 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5215		J5 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5216		J6 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5217		J7 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5218		J8 SLS diagnosis operation not performed	4	SLS The condition that can not be diagnosed has exceeded a certain period of time.	Please perform SLS diagnostic operation. Please revise the operation so that it can be diagnosed.
844A5801		J1 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5802		J2 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5803		J3 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5804		J4 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5805		J5 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5806		J6 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5807		J7 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5808		J8 Safety monitoring device communication error (UNREC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5811		J1 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5812		J2 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5813		J3 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5814		J4 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5815		J5 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5816		J6 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5817		J7 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5818		J8 Safety monitoring device communication error (CRC)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5821		J1 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5822		J2 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5823		J3 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5824		J4 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5825		J5 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5826		J6 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5827		J7 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5828		J8 Safety monitoring device communication error (FM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5831		J1 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5832		J2 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5833		J3 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5834		J4 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5835		J5 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5836		J6 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5837		J7 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5838		J8 Safety monitoring device communication error (BS)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5841		J1 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5842		J2 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5843		J3 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5844		J4 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5845		J5 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5846		J6 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5847		J7 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5848		J8 Safety monitoring device communication error (BM)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5851		J1 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5852		J2 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5853		J3 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844A5854		J4 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5855		J5 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5856		J6 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5857		J7 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844A5858		J8 Safety monitoring device communication error (EXT)	4	Safety monitoring device communication error is detected.	If it occurs during transmission of the safety parameter, please re-transmit the safety parameter or turn on the power again. If it happens after installing a new device, please turn on the power again. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
84490001		Safety I/O circuit power supply interrupted.	4	供给至安全 I/O 的电源被切断。	请将错误编号与错误名告知本公司服务部。
85490002	660A	Safety I/O circuit failure.	5	安全 I/O 发生错误。	请将错误编号与错误名告知本公司服务部。
85490003		CPU normal check error.	5	安全 I/O 检测出 CPU 正常信号未发出。	请将错误编号与错误名告知本公司服务部。
84490004		Monitoring unit Emergency-stop.	4	动作监视单元发动紧急停止。	请将错误编号与错误名告知本公司服务部。
85490201	660A	Deadman switch circuit failure 1b	5	双重安全开关已设为 ON，但是安全 I/O 内的检验信号为 OFF。	请将错误编号与错误名告知本公司服务部。
85490202	660A	Deadman switch circuit failure 2b	5	双重安全开关已设为 OFF，但是安全 I/O 内的检验信号为 ON。	请将错误编号与错误名告知本公司服务部。
83490301	660A	Inconsistency in Manual and Auto mode setting 1	3	机器人控制软件识别为自动模式，但是安全 I/O 识别为手动模式。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490302	660A	Inconsistency in Manual and Auto mode setting 2	3	机器人控制软件识别为自动模式，但是安全 I/O 未识别为自动模式。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490303	660A	Inconsistency in Manual and Auto mode setting 3	3	机器人控制软件识别为手动模式，但是安全 I/O 识别为自动模式。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490304	660A	Inconsistency in Manual and Auto mode setting 4	3	机器人控制软件识别为手动模式，但是安全 I/O 未识别为手动模式。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。

错码	RC7 编码	信息	等级	说明	恢复处理
83490311	660A	Inconsistency in Manual and Auto mode setting 1d	3	机器人控制软件识别为自动模式，但是安全 I/O 识别为手动模式。	清空错误后，请确认自动允许输入信号的连接状况。 仍然不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490312	660A	Inconsistency in Manual and Auto mode setting 2d	3	机器人控制软件识别为自动模式，但是安全 I/O 未识别为自动模式。	清空错误后，请确认自动允许输入信号的连接状况。 仍然不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490313	660A	Inconsistency in Manual and Auto mode setting 3d	3	机器人控制软件识别为手动模式，但是安全 I/O 识别为自动模式。	清空错误后，请确认自动允许输入信号的连接状况。 仍然不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83490314	660A	Inconsistency in Manual and Auto mode setting 4d	3	机器人控制软件识别为手动模式，但是安全 I/O 未识别为手动模式。	清空错误后，请确认自动允许输入信号的连接状况。 仍然不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84490321	660A	Operation mode selection circuit error (1)	4	手动模式信号与自动模式信号同时设为 OFF。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84490322	660A	Operation mode selection circuit error (2)	4	手动模式信号与自动模式信号同时设为 ON。	请清空错误。不能清空错误时，请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84490401		Safety I/O temperature error.	4	安全 I/O 高温，检测出温度异常。	请变更机器人控制的设置场所以便适当放热。
80490402		Safety I/O temperature warning.	0	安全 I/O 高温，检测出温度警告。	请变更机器人控制的设置场所以便适当放热。
84490501		Inconsistent contactor status (1)	4	机器人控制软件识别为接触器 ON，但是安全接触器已设为 OFF。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84490502		Inconsistent contactor status (2)	4	机器人控制软件识别为接触器 OFF，但是安全接触器已设为 ON。	请将错误编号与错误名告知本公司服务部。
85491001	660A	Communication command format error. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
85491002	660A	Communication response error. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
85491003	660A	Communication checksum error. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
85491004	660A	Communication pattern error. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
85491005	660A	Receive error. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
85491006	660A	Communication timeout. (SAIO)	5	与安全 I/O 的通信失败。	请将错误编号与错误名告知本公司服务部。
84491011	660A	Inconsistent Emergency-stop input is detected. (SAIO)	4	检测出安全 I/O 的紧急停止信号双重系统的状态不一致。	请确认紧急停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84491012	660A	Inconsistent Enable-auto input is detected. (SAIO)	4	检测出安全 I/O 的自动允许信号双重系统的状态不一致。	请确认自动允许信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84491013	660A	Inconsistent Protective-stop input is detected. (SAIO)	4	检测出安全 I/O 的防护停止信号双重系统的状态不一致。	请确认防护停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84491014	660A	Inconsistent internal Emergency-stop input is detected. (SAIO)	4	检测出安全 I/O 的内部紧急停止信号双重系统的状态不一致。	请将错误编号与错误名告知本公司服务部。
84491015	660A	Inconsistent deadman switch input is detected. (SAIO)	4	安全 I/O 检测出双重安全开关信号双重系统的状态不一致。	请将错误编号与错误名告知本公司服务部。
85491021	660A	Safety contactor EDM error. (SAIO1)	5	安全接触器发生 EDM 错误。	请将错误编号与错误名告知本公司服务部。
85491022	660A	Safety contactor EDM error. (SAIO2)	5	安全接触器发生 EDM 错误。	请将错误编号与错误名告知本公司服务部。
85491023	660A	RSC teach EDM error. (SAIO)	5	在 RSC 教导发生 EDM 错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85491024	660A	RSC speed EDM error. (SAIO)	5	在 RSC 速度设定发生 EDM 错误。	请将错误编号与错误名告知本公司服务部。
85491025	660A	RSC override EDM error. (SAIO)	5	在 RSC 过载发生 EDM 错误。	请将错误编号与错误名告知本公司服务部。
85491105	660A	Forced mode timeout. (SAIO)	5	安全 I/O 发生强制模式超时。	请将错误编号与错误名告知本公司服务部。
85491107	660A	Configuration data failure. (SAIO)	5	安全 I/O 的配置数据非法。	请将错误编号与错误名告知本公司服务部。
85491108	660A	System failure. (SAIO)	5	安全 I/O 的系统异常。	请将错误编号与错误名告知本公司服务部。
85491115	660A	Test output terminal overcurrent. (SAIO)	5	安全 I/O 的测试输出端子检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491117	660A	Test output terminal is fixed to ON. (SAIO)	5	安全 I/O 的测试输出端子检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491118	660A	Test output terminal current lower limit detection failure. (SAIO)	5	安全 I/O 的测试输出端子检测出电流下限值。	请将错误编号与错误名告知本公司服务部。
85491122	660A	Output power supply voltage failure. (SAIO)	5	安全 I/O 的输出电流检测出电压异常。	请将错误编号与错误名告知本公司服务部。
85491125	660A	Power cut-off test failure. (SAIO)	5	安全 I/O 的电源切断测试时检测出异常。	请将错误编号与错误名告知本公司服务部。
85491126	660A	Test output terminal internal circuit failure. (SAIO)	5	安全 I/O 的测试端子检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
84491133	660A	Function block status failure. (SAIO)	4	安全 I/O 的功能数据块未正常地运行。	请将错误编号与错误名告知本公司服务部。
85491139	660A	Internal NVS access error. (SAIO)	5	在访问安全 I/O 的内部 NVS 时检测出异常。	请将错误编号与错误名告知本公司服务部。
8549113A	660A	Unsupported extension I/O unit. (SAIO)	5	将非对应的扩展 I/O 单元连接至安全 I/O。	请将错误编号与错误名告知本公司服务部。
8549113B	660A	Extension I/O unit connection number over. (SAIO)	5	连接至安全 I/O 的扩展 I/O 单元台数过多。	请将错误编号与错误名告知本公司服务部。
8549113C	660A	Unmatched extension I/O unit configuration. (SAIO)	5	安全 I/O 的扩展 I/O 单元的构成非法。	请将错误编号与错误名告知本公司服务部。
8549113D	660A	Extension I/O unit bus failure. (SAIO)	5	安全 I/O 的扩展 I/O 单元的总线检测出异常。	请将错误编号与错误名告知本公司服务部。
8549113E	660A	Unsupported robot controller. (SAIO)	5	安全 I/O 上连接着非对应的选项板。	请将错误编号与错误名告知本公司服务部。
8549113F	660A	Robot controller communication timeout. (SAIO)	5	安全 I/O 与选项板的通信超时。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85491140	660A	Robot controller not installed. (SAIO)	5	安全 I/O 上未连接选项板。	请将错误编号与错误名告知本公司服务部。
85491142	660A	Memory cassette failure. (SAIO)	5	安全 I/O 的存储器盒未插入或者非法。	请将错误编号与错误名告知本公司服务部。
85491143	660A	Memory cassette access failure. (SAIO)	5	安全 I/O 的存储器盒的访问异常或者已被抽出。	请将错误编号与错误名告知本公司服务部。
85491144	660A	Internal NVS access error while executing memory cassette function. (SAIO)	5	在访问安全 I/O 的存储器盒功能时，检测出内部 NVS 访问的异常。	请将错误编号与错误名告知本公司服务部。
85491145	660A	Restore type information unmatch. (SAIO)	5	安全 I/O 的还原机型信息非法。	请将错误编号与错误名告知本公司服务部。
85491146	660A	Restore password unmatch. (SAIO)	5	安全 I/O 的还原密码非法。	请将错误编号与错误名告知本公司服务部。
85491147	660A	Restore prohibited. (SAIO)	5	安全 I/O 已被禁止还原。	请将错误编号与错误名告知本公司服务部。
85491148	660A	Configuration data failure in restoration. (SAIO)	5	还原安全 I/O 时的配置数据非法。	请将错误编号与错误名告知本公司服务部。
85491149	660A	Non-configured unit exists for backup. (SAIO)	5	备份安全 I/O 时，有未配置单元。	请将错误编号与错误名告知本公司服务部。
8549114A	660A	Unlocked unit exists for backup. (SAIO)	5	备份安全 I/O 时，有未锁定单元。	请将错误编号与错误名告知本公司服务部。
85491820	660A	Emergency-stop signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch0(紧急停止信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491821	660A	Emergency-stop signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch1(紧急停止信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491822	660A	Enable-auto signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch2(自动允许信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491823	660A	Enable-auto signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch3(自动允许信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491824	660A	Protective-stop signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch4(防护停止信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85491825	660A	Protective-stop signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch5(防护停止信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491826	660A	Motor-OFF signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch6(电机 OFF 信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491827	660A	Motor-ON signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch7(电机 ON 信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491828	660A	Internal Emergency-stop signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch8(内部紧急停止信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491829	660A	Internal Emergency-stop signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch9(内部紧急停止信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182A	660A	Deadman switch signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182B	660A	Deadman switch signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch11(双重安全开关信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182C	660A	Contactor-ON back check signal input terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch12(接触器 ON 检验信号输入端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182D	660A	Contactor-ON back check signal input terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch13(接触器 ON 检验信号输入端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182E	660A	Manual mode signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch14(手动模式信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
8549182F	660A	Auto mode signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch15(自动模式信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491830	660A	CPU normal signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch16(CPU 正常信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491831	660A	RSC teach signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch17(RSC 教导信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85491832	660A	RSC speed setting signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch18(RSC 速度信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491833	660A	RSC override signal input terminal configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch19(RSC 过载信号输入端子)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491840	660A	Emergency-stop signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch0(紧急停止信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491841	660A	Emergency-stop signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch1(紧急停止信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491842	660A	Enable-auto signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch2(自动允许信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491843	660A	Enable-auto signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch3(自动允许信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491844	660A	Protective-stop signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch4(防护停止信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491845	660A	Protective-stop signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch5(防护停止信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491846	660A	Motor-OFF signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch6(电机 OFF 信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491847	660A	Motor-ON signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch7(电机 ON 信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491848	660A	Internal Emergency-stop signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch8(内部紧急停止信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491849	660A	Internal Emergency-stop signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch9(内部紧急停止信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
8549184A	660A	Deadman switch signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
8549184B	660A	Deadman switch signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
8549184C	660A	Contactor-ON back check signal input terminal 1 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch12(接触器 ON 检验信号输入端子 1)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
8549184D	660A	Contactor-ON back check signal input terminal 2 externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch13(接触器 ON 检验信号输入端子 2)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
8549184E	660A	Manual mode signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch14(手动模式信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
8549184F	660A	Auto mode signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch15(自动模式信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491850	660A	CPU normal signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch16(CPU 正常信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491851	660A	RSC teach signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch17(RSC 教导信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491852	660A	RSC speed setting signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch18(RSC 速度信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491853	660A	RSC override signal input terminal externally connected device failure. (SAIO)	5	安全 I/O 的安全输入端子 ch19(RSC 过载信号输入端子)检测出外部机器的连接异常。	请将错误编号与错误名告知本公司服务部。
85491860	660A	Emergency-stop signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch0(紧急停止信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491861	660A	Emergency-stop signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch1(紧急停止信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。

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85491862	660A	Enable-auto signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch2(自动允许信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491863	660A	Enable-auto signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch3(自动允许信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491864	660A	Protective-stop signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch4(防护停止信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491865	660A	Protective-stop signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch5(防护停止信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491866	660A	Motor-OFF signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch6(电机 OFF 信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491867	660A	Motor-ON signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch7(电机 ON 信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491868	660A	Internal Emergency-stop signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch8(内部紧急停止信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491869	660A	Internal Emergency-stop signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch9(内部紧急停止信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
8549186A	660A	Deadman switch signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
8549186B	660A	Deadman switch signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch11(双重安全开关信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
8549186C	660A	Contactor-ON back check signal input terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch12(接触器 ON 检验信号输入端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
8549186D	660A	Contactor-ON back check signal input terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch13(接触器 ON 检验信号输入端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。

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8549186E	660A	Manual mode signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch14(手动模式信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
8549186F	660A	Auto mode signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch15(自动模式信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491870	660A	CPU normal signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch16(CPU 正常信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491871	660A	RSC teach signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch17(RSC 教导信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491872	660A	RSC speed setting signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch18(RSC 速度信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
85491873	660A	RSC override signal input terminal internal circuit failure. (SAIO)	5	安全 I/O 的安全输入端子 ch19(RSC 过载信号输入端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
84491880	660A	Emergency-stop signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch0(紧急停止信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491881	660A	Emergency-stop signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch1(紧急停止信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491882	660A	Enable-auto signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch2(自动允许信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491883	660A	Enable-auto signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch3(自动允许信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491884	660A	Protective-stop signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch4(防护停止信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491885	660A	Protective-stop signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch5(防护停止信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。

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84491886	660A	Motor-OFF signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch6(电机 OFF 信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491887	660A	Motor-ON signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch7(电机 ON 信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491888	660A	Internal Emergency-stop signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch8(内部紧急停止信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491889	660A	Internal Emergency-stop signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch9(内部紧急停止信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188A	660A	Deadman switch signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188B	660A	Deadman switch signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch11(双重安全开关信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188C	660A	Contactor-ON back check signal input terminal 1 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch12(接触器 ON 检验信号输入端子 1)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188D	660A	Contactor-ON back check signal input terminal 2 dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch13(接触器 ON 检验信号输入端子 2)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188E	660A	Manual mode signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch14(手动模式信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
8449188F	660A	Auto mode signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch15(自动模式信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。

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84491890	660A	CPU normal signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch16(CPU 正常信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491891	660A	RSC teach signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch17(RSC 教导信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491892	660A	RSC speed setting signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch18(RSC 速度信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
84491893	660A	RSC override signal input terminal dual channel monitoring failure. (SAIO)	4	安全 I/O 的安全输入端子 ch19(RSC 过载信号输入端子)的双重通道输入的逻辑处于异常状态。	请将错误编号与错误名告知本公司服务部。
844918A0	660A	Emergency-stop signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch0(紧急停止信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A1	660A	Emergency-stop signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch1(紧急停止信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A2	660A	Enable-auto signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch2(自动允许信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A3	660A	Enable-auto signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch3(自动允许信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A4	660A	Protective-stop signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch4(防护停止信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A5	660A	Protective-stop signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch5(防护停止信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
844918A6	660A	Motor-OFF signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch6(电机 OFF 信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A7	660A	Motor-ON signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch7(电机 ON 信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A8	660A	Internal Emergency-stop signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch8(内部紧急停止信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918A9	660A	Internal Emergency-stop signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch9(内部紧急停止信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AA	660A	Deadman switch signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch10(双重安全开关信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AB	660A	Deadman switch signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch11(双重安全开关信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AC	660A	Contactor-ON back check signal input terminal 1 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch12(接触器 ON 检验信号输入端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AD	660A	Contactor-ON back check signal input terminal 2 dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch13(接触器 ON 检验信号输入端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AE	660A	Manual mode signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch14(手动模式信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918AF	660A	Auto mode signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch15(自动模式信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
844918B0	660A	CPU normal signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch16(CPU 正常信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918B1	660A	RSC teach signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch17(RSC 教导信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918B2	660A	RSC speed setting signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch18(RSC 速度信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
844918B3	660A	RSC override signal input terminal dual channel connected device terminal failure. (SAIO)	4	安全 I/O 的安全输入端子 ch19(RSC 过载信号输入端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
85491920	660A	Contactor-ON signal output terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491921	660A	Contactor-ON signal output terminal 2configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491922	660A	RSC teach signal output terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491923	660A	RSC teach signal output terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491924	660A	RSC speed setting signal output terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491925	660A	RSC speed setting signal output terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491926	660A	RSC override signal output terminal 1 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch6(RSC 过载信号输出端子 1)的配置非法。	请将错误编号与错误名告知本公司服务部。
85491927	660A	RSC override signal output terminal 2 configuration failure. (SAIO)	5	安全 I/O 的安全输入端子 ch7(RSC 过载信号输出端子 2)的配置非法。	请将错误编号与错误名告知本公司服务部。

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85491928	660A	Safety output terminal ch8 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch8 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491929	660A	Safety output terminal ch9 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch9 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192A	660A	Safety output terminal ch10 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch10 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192B	660A	Safety output terminal ch11 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch11 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192C	660A	Safety output terminal ch12 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch12 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192D	660A	Safety output terminal ch13 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch13 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192E	660A	Safety output terminal ch14 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch14 的配置非法。	请将错误编号与错误名告知本公司服务部。
8549192F	660A	Safety output terminal ch15 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch15 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491930	660A	Safety output terminal ch16 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch16 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491931	660A	Safety output terminal ch17 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch17 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491932	660A	Safety output terminal ch18 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch18 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491933	660A	Safety output terminal ch19 configuration failure. (SAIO)	5	安全 I/O 的安全输出端子 ch19 的配置非法。	请将错误编号与错误名告知本公司服务部。
85491940	660A	Contactor-ON signal output terminal 1 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491941	660A	Contactor-ON signal output terminal 2 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491942	660A	RSC teach signal output terminal 1 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子 1)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491943	660A	RSC teach signal output terminal 2 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)检测出过电流。	请将错误编号与错误名告知本公司服务部。

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85491944	660A	RSC speed setting signal output terminal 1 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491945	660A	RSC speed setting signal output terminal 2 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491946	660A	RSC override signal output terminal 1 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491947	660A	RSC override signal output terminal 2 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491948	660A	Safety output terminal ch8 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491949	660A	Safety output terminal ch9 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194A	660A	Safety output terminal ch10 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194B	660A	Safety output terminal ch11 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194C	660A	Safety output terminal ch12 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194D	660A	Safety output terminal ch13 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194E	660A	Safety output terminal ch14 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出过电流。	请将错误编号与错误名告知本公司服务部。
8549194F	660A	Safety output terminal ch15 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491950	660A	Safety output terminal ch16 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491951	660A	Safety output terminal ch17 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491952	660A	Safety output terminal ch18 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出过电流。	请将错误编号与错误名告知本公司服务部。
85491953	660A	Safety output terminal ch19 overcurrent. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出过电流。	请将错误编号与错误名告知本公司服务部。

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85491960	660A	Contactor-ON signal output terminal 1 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491961	660A	Contactor-ON signal output terminal 2 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491962	660A	RSC teach signal output terminal 1 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子 1)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491963	660A	RSC teach signal output terminal 2 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491964	660A	RSC speed setting signal output terminal 1 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491965	660A	RSC speed setting signal output terminal 2 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491966	660A	RSC override signal output terminal 1 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491967	660A	RSC override signal output terminal 2 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出接地。	请将错误编号与错误名告知本公司服务部。
85491968	660A	Safety output terminal ch8 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491969	660A	Safety output terminal ch9 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出接地。	请将错误编号与错误名告知本公司服务部。
8549196A	660A	Safety output terminal ch10 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出接地。	请将错误编号与错误名告知本公司服务部。
8549196B	660A	Safety output terminal ch11 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出接地。	请将错误编号与错误名告知本公司服务部。
8549196C	660A	Safety output terminal ch12 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出接地。	请将错误编号与错误名告知本公司服务部。
8549196D	660A	Safety output terminal ch13 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出接地。	请将错误编号与错误名告知本公司服务部。
8549196E	660A	Safety output terminal ch14 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出接地。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
8549196F	660A	Safety output terminal ch15 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491970	660A	Safety output terminal ch16 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491971	660A	Safety output terminal ch17 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491972	660A	Safety output terminal ch18 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491973	660A	Safety output terminal ch19 ground fault. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出接地。	请将错误编号与错误名告知本公司服务部。
85491980	660A	Contactor-ON signal output terminal 1 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491981	660A	Contactor-ON signal output terminal 2 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491982	660A	RSC teach signal output terminal 1 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子 1)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491983	660A	RSC teach signal output terminal 2 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491984	660A	RSC speed setting signal output terminal 1 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491985	660A	RSC speed setting signal output terminal 2 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491986	660A	RSC override signal output terminal 1 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491987	660A	RSC override signal output terminal 2 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491988	660A	Safety output terminal ch8 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85491989	660A	Safety output terminal ch9 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198A	660A	Safety output terminal ch10 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198B	660A	Safety output terminal ch11 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198C	660A	Safety output terminal ch12 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198D	660A	Safety output terminal ch13 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198E	660A	Safety output terminal ch14 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
8549198F	660A	Safety output terminal ch15 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491990	660A	Safety output terminal ch16 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491991	660A	Safety output terminal ch17 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491992	660A	Safety output terminal ch18 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
85491993	660A	Safety output terminal ch19 output fixed to ON. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出输出 ON 固着。	请将错误编号与错误名告知本公司服务部。
854919A0	660A	Contactor-ON signal output terminal 1 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A1	660A	Contactor-ON signal output terminal 2 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
854919A2	660A	RSC teach signal output terminal 1 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A3	660A	RSC teach signal output terminal 2 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A4	660A	RSC speed setting signal output terminal 1 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A5	660A	RSC speed setting signal output terminal 2 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A6	660A	RSC override signal output terminal 1 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A7	660A	RSC override signal output terminal 2 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A8	660A	Safety output terminal ch8 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919A9	660A	Safety output terminal ch9 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919AA	660A	Safety output terminal ch10 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919AB	660A	Safety output terminal ch11 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。

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854919AC	660A	Safety output terminal ch12 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919AD	660A	Safety output terminal ch13 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919AE	660A	Safety output terminal ch14 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919AF	660A	Safety output terminal ch15 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919B0	660A	Safety output terminal ch16 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919B1	660A	Safety output terminal ch17 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919B2	660A	Safety output terminal ch18 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919B3	660A	Safety output terminal ch19 dual channel connected device terminal failure. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出双重通道的对侧端子异常。	请将错误编号与错误名告知本公司服务部。
854919C0	660A	Contactor-ON signal output terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919C1	660A	Contactor-ON signal output terminal 2internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919C2	660A	RSC teach signal output terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
854919C3	660A	RSC teach signal output terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。

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854919C4	660A	RSC speed setting signal output terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
854919C5	660A	RSC speed setting signal output terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
854919C6	660A	RSC override signal output terminal 1 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
854919C7	660A	RSC override signal output terminal 2 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出内部电路的异常。	请将错误编号与错误名告知本公司服务部。
854919C8	660A	Safety output terminal ch8 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919C9	660A	Safety output terminal ch9 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CA	660A	Safety output terminal ch10 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CB	660A	Safety output terminal ch11 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CC	660A	Safety output terminal ch12 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CD	660A	Safety output terminal ch13 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CE	660A	Safety output terminal ch14 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919CF	660A	Safety output terminal ch15 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919D0	660A	Safety output terminal ch16 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919D1	660A	Safety output terminal ch17 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。

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854919D2	660A	Safety output terminal ch18 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919D3	660A	Safety output terminal ch19 internal circuit failure. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出内部电路异常。	请将错误编号与错误名告知本公司服务部。
854919E0	660A	Contactor-ON signal output terminal 1 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch0(接触器 ON 信号输出端子 1)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E1	660A	Contactor-ON signal output terminal 2 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch1(接触器 ON 信号输出端子 2)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E2	660A	RSC teach signal output terminal 1 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch2(RSC 教导信号输出端子 1)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E3	660A	RSC teach signal output terminal 2 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch3(RSC 教导信号输出端子)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E4	660A	RSC speed setting signal output terminal 1 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch4(RSC 速度信号输出端子 1)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E5	660A	RSC speed setting signal output terminal 2 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch5(RSC 速度信号输出端子 2)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E6	660A	RSC override signal output terminal 1 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch6(RSC 过载信号输出端子 1)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E7	660A	RSC override signal output terminal 2 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch7(RSC 过载信号输出端子 2)检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E8	660A	Safety output terminal ch8 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch8 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919E9	660A	Safety output terminal ch9 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch9 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。

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854919EA	660A	Safety output terminal ch10 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch10 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919EB	660A	Safety output terminal ch11 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch11 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919EC	660A	Safety output terminal ch12 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch12 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919ED	660A	Safety output terminal ch13 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch13 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919EE	660A	Safety output terminal ch14 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch14 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919EF	660A	Safety output terminal ch15 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch15 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919F0	660A	Safety output terminal ch16 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch16 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919F1	660A	Safety output terminal ch17 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch17 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919F2	660A	Safety output terminal ch18 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch18 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
854919F3	660A	Safety output terminal ch19 dual channel output data mismatch failure. (SAIO)	5	安全 I/O 的安全输出端子 ch19 检测出双重通道的输出间数据异常。	请将错误编号与错误名告知本公司服务部。
85492001	660A	Emergency-stop circuit failure 1	5	紧急停止信号系统 1 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492002	660A	Emergency-stop circuit failure 2	5	紧急停止信号系统 1 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
85492003	660A	Emergency-stop circuit failure 3	5	紧急停止信号系统 2 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492004	660A	Emergency-stop circuit failure 4	5	紧急停止信号系统 2 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492011	660A	Internal Emergency-stop circuit failure 1	5	内部紧急停止信号系统 1 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492012	660A	Internal Emergency-stop circuit failure 2	5	内部紧急停止信号系统 1 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492013	660A	Internal Emergency-stop circuit failure 3	5	内部紧急停止信号系统 2 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492014	660A	Internal Emergency-stop circuit failure 4	5	内部紧急停止信号系统 2 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492021	660A	Deadman switch circuit failure 1	5	双重安全开关信号系统 1 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492022	660A	Deadman switch circuit failure 2	5	双重安全开关信号系统 1 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492023	660A	Deadman switch circuit failure 3	5	双重安全开关信号系统 2 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492024	660A	Deadman switch circuit failure 4	5	双重安全开关信号系统 2 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492031	660A	Protective-stop circuit failure 1	5	防护停止信号系统 1 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492032	660A	Protective-stop circuit failure 2	5	防护停止信号系统 1 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492033	660A	Protective-stop circuit failure 3	5	防护停止信号系统 2 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85492034	660A	Protective-stop circuit failure 4	5	防护停止信号系统 2 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492041	660A	Enable-auto circuit failure 1	5	自动允许信号系统 1 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492042	660A	Enable-auto circuit failure 2	5	自动允许信号系统 1 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492043	660A	Enable-auto circuit failure 3	5	自动允许信号系统 2 已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492044	660A	Enable-auto circuit failure 4	5	自动允许信号系统 2 已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492051	660A	CPU normal circuit failure.	5	CPU 正常信号已设为 ON，但是安全 I/O 识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492061	660F	Safety contactor circuit failure (ON1)	5	电机 ON 信号已设为 ON，但是安全接触器设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492062	660F	Safety contactor circuit failure (ON2)	5	电机 ON 信号已设为 ON，但是安全接触器 ON 信号设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492063	660F	Safety contactor circuit failure (ON3)	5	欲将安全接触器设为 ON，但是电机 ON 信号已设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492064	660F	Safety contactor circuit failure (ON4)	5	Tried to turn ON the Safety contactor but the Motor-ON enabling signal is turned OFF.	请将错误编号与错误名告知本公司服务部。
85492071	660F	Safety contactor circuit failure (OFF1)	5	电机 ON 信号已设为 OFF，但是安全接触器设为 ON。	请将错误编号与错误名告知本公司服务部。
85492072	660F	Safety contactor circuit failure (OFF2)	5	电机 ON 信号已设为 OFF，但是安全接触器 ON 信号设为 ON。	请将错误编号与错误名告知本公司服务部。
85492073	660F	Safety contactor circuit failure (OFF3)	5	欲将安全接触器设为 OFF，但是电机 ON 信号已设为 ON。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84492081	660A	Motor-ON enabling signal timeout	4	Motor-ON processing was interrupted due to the inconsistency of signal status. Input signal for Safety I/O is "Motor-ON Enable state" but the Safety I/O does not issue Motor-ON Enabling signal.	请将错误编号与错误名告知本公司服务部。
85492101	660A	Emergency-stop circuit failure 1d	5	紧急停止信号已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492102	660A	Emergency-stop circuit failure 2d	5	紧急停止信号已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492111	660A	Internal Emergency-stop circuit failure 1d	5	内部紧急停止信号已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492112	660A	Internal Emergency-stop circuit failure 2d	5	内部紧急停止信号已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492121	660A	Deadman switch circuit failure 1d	5	双重安全开关信号已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492122	660A	Deadman switch circuit failure 2d	5	双重安全开关信号已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492131	660A	Protective-stop circuit failure 1d	5	防护停止信号已设为 ON，但是安全 I/O 内识别为 OFF。	请将错误编号与错误名告知本公司服务部。
85492132	660A	Protective-stop circuit failure 2d	5	防护停止信号已设为 OFF，但是安全 I/O 内识别为 ON。	请将错误编号与错误名告知本公司服务部。
85492161	660F	Safety contactor circuit failure (ON1d)	5	电机 ON/OFF 信号已设为 ON，但是安全接触器设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492162	660F	Safety contactor circuit failure (ON2d)	5	电机 ON/OFF 信号已设为 ON，但是安全接触器 ON 信号设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492163	660F	Safety contactor circuit failure (ON3d)	5	欲将安全接触器设为 ON，但是电机 ON 信号已设为 OFF。	请将错误编号与错误名告知本公司服务部。
85492171	660F	Safety contactor circuit failure (OFF1d)	5	电机 ON/OFF 信号已设为 OFF，但是安全接触器设为 ON。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85492172	660F	Safety contactor circuit failure (OFF2d)	5	电机 ON/OFF 信号已设为 OFF，但是安全接触器 ON 信号设为 ON。	请将错误编号与错误名告知本公司服务部。
85492173	660F	Safety contactor circuit failure (OFF3d)	5	欲将安全接触器设为 OFF，但是电机 ON 信号已设为 ON。	请将错误编号与错误名告知本公司服务部。
85480001	2C01	AC input over voltage	5	在电源 CPU 上，检测出 AC 输入电压(有效值)超限。	请确认 AC 输入电压是否超限。 仍然发生时，请联系本公司。
85480002	2C02	AC input under voltage	5	在电源 CPU 上，检测出 AC 输入电压(有效值)下降。	请确认下述内容。 ・请确认 AC 电源电缆的连接状态 ・请确认 AC 输入电压是否下降。 仍然发生时，请联系本公司。
85480003	2C07	Instantaneous blackout detected	5	在电源 CPU 上，检测出电源切断操作或者瞬间停电。	未执行电源切断操作时，请确认下述内容。 ・请确认 AC 电源电缆的连接状态 ・请确认 AC 输入电压是否下降。 仍然发生时，请联系本公司。
85480004	2C09	BUS over voltage	5	在电源 CPU 上，检测出强电主板的电机总线电压超限。	请确认下述内容。 请确认 AC 输入电压是否超限。 ・请确认机器人的负载率是否超限。 仍然发生时，请联系本公司。
85480104	2C09	BUS over voltage	5	Power supply CPU detected excessive motor bus voltage on the motor power board.	Please check the followings. - Check if AC input voltage is not excessive. - Check that the robot load ratio does not exceed its limit. If the error still occurs, please contact DENSO WAVE service.
85480005	2C0A	BUS under voltage	5	在电源 CPU 上，检测出强电主板的电机总线电压下降。	请确认下述内容。 请确认 AC 输入电压是否下降。 ・请确认机器人的负载率是否超限。 仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
85480105	2C0A	BUS under voltage	5	Power supply CPU detected motor bus voltage drop on the motor power board.	Please check the followings. - Check that the AC input voltage does not drop. - Check that the robot load ratio does not exceed its limit. If the error still occurs, please contact DENSO WAVE service.
85480006	2C0C	DC-BUS over voltage	5	在电源 CPU 上，检测出控制电源面板的 DC 总线电压超限。	请确认 AC 输入电压是否超限。 仍然发生时，请联系本公司。
85480007	2C0D	DC-BUS under voltage	5	在电源 CPU 上，检测出控制电源面板的 DC 总线电压下降。	请确认下述内容。 请确认 AC 输入电压是否下降。 ・请确认选项板、IO、USB 的电源负载状态是否超限。 仍然发生时，请联系本公司。
85480008		MotorBUS-FET failure	5	在电源 CPU 上，检测出强电主板的下述某种状态。 ・降压 FET 的打开故障 ・升压 FET 的短路故障 ・再生 FET 的短路故障 ・DBFET 的短路故障	请联系本公司。
85480108		MotorBUS-FET failure	5	Power supply CPU detected one of the following conditions. - Low-side FET open failure - High-side FET short-circuit failure	请联系本公司。
8548000A		Buck-FET short failure	5	在电源 CPU 上，检测出强电主板的降压 FET 的短路故障。	请联系本公司。
8548000C	2C26	Regenerative-FET failure	5	在电源 CPU 上，检测出强电主板的再生 FET 的打开故障。	请联系本公司。
8548010C	2C26	Regenerative-FET failure	5	Power supply CPU detected regeneration FET open failure on the mother board.	请联系本公司。
8548000D	2C27	DB-FET failure	5	在电源 CPU 上，检测出强电主板的 DBFET 的打开故障。	请联系本公司。
8548010D	2C27	DB-FET failure	5	Power supply CPU detected dynamic brake FET open failure on the mother board.	请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
8548000E		DC15V under voltage	5	在电源 CPU 上，检测出强电主板的 15VH 电压下降。	请联系本公司。
8548000F		DC17V over voltage	5	在电源 CPU 上，检测出强电主板的 17VH 电压超限。	请联系本公司。
8548010F		DC17V over voltage	5	Power supply CPU detected excessive 17VH voltage on the power mother board.	请联系本公司。
85480010		DC17V under voltage	5	在电源 CPU 上，检测出强电主板的 17VH 电压下降。	请联系本公司。
85480110		DC17V under voltage	5	Power supply CPU detected 17VH voltage drop on the power mother board.	请联系本公司。
85480011		DC24V under voltage	5	在电源 CPU 上，检测出强电主板的 24VL 电压下降。	请联系本公司。
85480111		DC24V under voltage	5	Power supply CPU detected 24VL voltage drop on the mother board.	请联系本公司。
85480012		Regenerative-resistor overheated	5	在电源 CPU 上，检测出再生电阻的温度超限。	请确认下述内容。 ・请确认机器人的负载率是否超限。 ・请确认 FAN 的转数是否降低、过滤器的网眼是否堵塞。 ・请确认使用环境温度。 仍然发生时，请联系本公司。
85480013		Motor Power overheated	5	在电源 CPU 上，检测出强电主板(电机电源部分)的温度超限。	请确认下述内容。 ・请确认机器人的负载率是否超限。 ・请确认 FAN 的转数是否降低、过滤器的网眼是否堵塞。 ・请确认使用环境温度。 仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
85480014		Power supply CPU overheated	5	在电源 CPU 上，检测出强电主板（电源 CPU 部分）的温度超限。	请确认下述内容。 ・请确认 FAN 的转数是否降低、过滤器的网眼是否堵塞。 ・请确认使用环境温度。 仍然发生时，请联系本公司。
85480114		Power supply CPU overheated	5	Power supply CPU detected excessive temperature on the mother board (Power supply CPU part).	请确认下述内容。 ・请确认 FAN 的转数是否降低、过滤器的网眼是否堵塞。 ・请确认使用环境温度。 仍然发生时，请联系本公司。
85480016		MotorBUS charge voltage failure	5	在电源 CPU 上，检测出电机 ON 时强电主板的电机总线充电异常。	请确认下述内容。 ・请确认 AC 电源电缆的连接状态 ・请确认 AC 输入电压是否下降。 仍然发生时，请联系本公司。
85480116		MotorBUS charge voltage failure	5	Power supply CPU detected motor bus charging failure on the motor power board when motor power is turned on.	请确认下述内容。 ・请确认 AC 电源电缆的连接状态 ・请确认 AC 输入电压是否下降。 仍然发生时，请联系本公司。
85480017		AC input out of range	5	在电源 CPU 上，检测出规格外的 AC 输入电压。	请确认下述内容。 ・请确认 AC 电源电缆的连接状态 ・请确认 AC 输入电压是否在规格范围内。 仍然发生时，请联系本公司。
85480018		Contactor timeout	5	在电源 CPU 上，检测出安全接触器的动作延迟。	请联系本公司。
85480019		MotorBUS overcurrent	5	在电源 CPU 上，检测出强电主板的过电流。	请联系本公司。
85480119		MotorBUS overcurrent	5	Power supply CPU detected overcurrent on the motor power board.	请联系本公司。
8548001A		EEPROM reading of power supply CPU failure	5	通过电源 CPU 读取 EEPROM 失败。	请再次启动机器人控制器。 仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
8548001B		Hardware error was written in EEPROM of power supply CPU	5	在电源 CPU 上，检测出强电主板的降压 FET 的短路故障。	请联系本公司。
8548001C		MotorBUS relay short failure	5	在电源 CPU 上，检测出强电主板的电机总线继电器短路故障。	请联系本公司。
8548001D		Hardware error was detected at the power on	5	在电源 CPU 上，启动时检测出强电主板的降压 FET 的短路故障。	请联系本公司。
8548001E		MotorBUS discharge voltage failure	5	在电源 CPU 上，检测出启动时强电主板的电机总线放电异常。	请联系本公司。
8548011E		MotorBUS discharge voltage failure	5	Power supply CPU detected motor bus discharge voltage failure on the motor power board at the power on.	请联系本公司。
8548011F		Hardware error was written in EEPROM of power supply CPU	5	Power supply CPU detected welding of the inrush current prevention relay on the motor power board.	请联系本公司。
85480120		Power relay failure	5	Power supply CPU detected welding of the power relay on the motor power board at the power on.	请联系本公司。
85480121		Hardware error was detected at the power on	5	Power supply CPU detected welding of the inrush current prevention relay on the motor power board at the power on.	请联系本公司。
8548007F		Unexpected power supply error	5	电源 CPU 发送了未预期的错误指令。	请再次启动机器人控制器。 仍然发生时，请联系本公司。
84480081		AC bus voltage has not been detected yet.	4	电源 CPU 未能检测出 AC 总线电压。	请联系本公司。
84480082		Hardware version error(HV)	4	Power supply CPU detected hardware version error(HV).	请再次启动机器人控制器。 仍然发生时，请联系本公司。
844800FF		Unexpected power supply warning	4	电源 CPU 发送了未预期的警告指令。	请再次启动机器人控制器。 仍然发生时，请联系本公司。
84403FFF		意外伺服错误。	4	无法预测的错误。	请将错误编号与错误名告知本公司服务部。
85400001		正在发生致命错误。	5	发生致命错误，处理中断。	请确认发生致命性错误的原因。
85400002		伺服模块的错误列已溢出。	5	发生大量错误，错误通知处理中断。	请将错误编号与错误名告知本公司服务部。
85400003	6101	监控器的定时器异常。	5	CPU 的负载增加，处理暂时停止。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85400004	60FE	伺服模块与轨道生成模块的版本不一致。	5	伺服模块与轨道生成模块的版本不一致。	请将错误编号与错误名告知本公司服务部。
85400005	6607	伺服参数的校验和异常。	5	伺服参数由未知处变更。	请将错误编号与错误名告知本公司服务部。
84400006	60FE	伺服模块与轨道生成模块的通信异常。	4	伺服模块与轨道生成模块的通信失败。	请将错误编号与错误名告知本公司服务部。
83400007		伺服模块内处理被中断。	3	伺服模块内操作被中断。	请将所执行的操作与错误编号、错误名告知本公司服务部。
83400008		伺服模块内处理超时。	3	伺服模块内操作超时。	请将所执行的操作与错误编号、错误名告知本公司服务部。
83400009		伺服模块内处理失败。	3	伺服模块内操作失败。	请将所执行的操作与错误编号、错误名告知本公司服务部。
8340000A		伺服模块内访问被拒绝。	3	伺服模块内操作访问被拒绝。	请确认是否对读取专用区域进行写入访问及对写入专用区域进行读取访问。
8340000B		有未通知的错误。	3	因正在处理错误，操作中断。	请将所执行的操作与错误编号、错误名告知本公司服务部。
8540000C		FPGA 监控器的定时器异常。	5	FPGA 发出的通信已停止。	请将错误编号与错误名告知本公司服务部。
8540000D		Watchdog timer is disabled.	5	Could not execute the command because watchdog timer is disabled.	请将错误编号与错误名告知本公司服务部。
8540000E		Communication with Safety I/O unit has stopped.	5	Could not execute the command because communication with safety I/O is stopped.	请将错误编号与错误名告知本公司服务部。
85400011		在伺服激励器动作过程中不能执行。	5	无法预测的错误。正在伺服激励器动作过程中试图执行不能执行的操作。	请将错误编号与错误名告知本公司服务部。
85400012		在伺服激励器停止状态下不能执行。	5	无法预测的错误。正在伺服激励器停止过程中试图执行不能执行的操作。	请将错误编号与错误名告知本公司服务部。
81400013	600A	电机 ON 状态下不能执行。	1	正在电机 ON 状态下试图执行不能执行的操作。	请将电机设为 OFF。
81400014	6006	电机 OFF 状态下不能执行。	1	正在电机 OFF 状态下试图执行不能执行的操作。	请将电机设为 ON。
81400015	21D3	发生错误时不能执行。	1	正在发生错误的状态下试图执行不能执行的操作。	请清空错误。

错码	RC7编码	信息	等级	说明	恢复处理
81400016	2008	紧急停止接通状态下不能执行。	1	紧急停止 ON 状态下试图执行不能执行的操作。	请将紧急停止设为 OFF。
81400017	21EC	请将双重安全开关设为 ON。	1	双重安全开关 OFF 过程中试图执行不能执行的操作。	请将双重安全开关设为 ON。
81400018	21F3	请将自动允许设为 ON。	1	正在自动允许 OFF 状态下试图执行不能执行的操作。	请将自动允许设为 ON。
81400019		防护停止接通状态下不能执行。	1	防护停止 ON 状态下试图执行不能执行的操作。	请将防护停止设为 OFF。
8140001A		接触器 OFF 状态下不能执行。	1	接触器 OFF 状态下试图执行不能执行的操作。	请将错误编号与错误名告知本公司服务部。
8140001B		制动器的解除状态下不能执行。	1	正在解除制动器的状态下试图执行不能执行的操作。	请锁定制动器。
8140001C		减速停止状态下不能执行。	1	正在停止减速状态下试图执行不能执行的操作。	请在电机 OFF 完成后执行。
8140001D		电机 ON 处理状态下不能执行。	1	电机 ON 处理状态下试图执行不能执行的操作。	请在电机 ON 完成后执行。
8140001E		电机 OFF 处理状态下不能执行。	1	电机 OFF 处理状态下试图执行不能执行的操作。	请在电机 OFF 完成后执行。
81400021		伺服 Log 记录过程中不能执行。	1	正在伺服 Log 的记录过程中试图执行不能执行的操作。	请在伺服 Log 记录停止后再执行。
81400022		在伺服 Log 记录停止的状态下不能执行。	1	伺服 Log 记录停止过程中试图执行不能执行的操作。	请在伺服 Log 记录开始后再执行。
83400023		在未输入紧急停止信号的 1 系统的状态下不能执行。	3	未输入紧急停止信号的 1 系统,因此不能执行此操作。	请将紧急停止信号的所有系统设为 ON 后，重新设为 OFF。 仍然不能解决时，请确认外部紧急停止输入信号的连接状况。
83400024		在未输入双重安全开关信号的 1 系统的状态下不能执行。	3	未输入双重安全开关信号的 1 系统,因此不能执行此操作。	请将双重安全开关设为 OFF 后，重新设为 ON。 仍然不能解决时，请更换多功能教导器。
83400025		在未输入自动允许信号的 1 系统的状态下不能执行。	3	未输入自动允许信号的 1 系统,因此不能执行此操作。	请将自动允许输入信号的所有系统设为 OFF 后，在自动模式时重新设为 ON。 仍然不能解决时，请确认自动允许输入信号的连接状况。
83400026		在未输入防护停止信号的 1 系统的状态下不能执行。	3	未输入防护停止信号的 1 系统,因此不能执行此操作。	请将防护停止信号的所有系统设为 ON 后，在自动模式时重新设为 OFF。 仍然不能解决时，请确认防护停止信号的连接状况。

错码	RC7 编码	信息	等级	说明	恢复处理
83400041	279E	未输入紧急停止信号的 1 系统。(1)	3	紧急停止信号的系统 1 被打开，系统 2 短路。	请确认外部紧急停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400042	279E	未输入紧急停止信号的 1 系统。(2)	3	紧急停止信号的系统 2 被打开，系统 1 短路。	请确认外部紧急停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400043		未输入双重安全开关信号的 1 系统。(1)	3	双重安全开关信号的系统 1 被打开，系统 2 短路。	请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400044		未输入双重安全开关信号的 1 系统。(2)	3	双重安全开关信号的系统 2 被打开，系统 1 短路。	请更换多功能教导器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400045		未输入防护停止信号的 1 系统。(1)	3	防护停止信号的系统 1 被打开，系统 2 短路。	请确认防护停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400046		未输入防护停止信号的 1 系统。(2)	3	防护停止信号的系统 2 被打开，系统 1 短路。	请确认防护停止输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400047		未输入自动允许信号的 1 系统。(1)	3	自动允许信号的系统 1 被打开，系统 2 短路。	请确认自动允许输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400048		未输入自动允许信号的 1 系统。(2)	3	自动允许信号的系统 2 被打开，系统 1 短路。	请确认自动允许输入信号的连接状况。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
83400049		不能将紧急停止设为 OFF。	3	欲将紧急停止设为 OFF，但由于未输入紧急停止信号的 1 系统,未能实现此操作。	请将紧急停止信号的所有系统设为 ON 后，重新设为 OFF。 仍然不能解决时，请确认外部紧急停止输入信号的连接状况。

错码	RC7 编码	信息	等级	说明	恢复处理
8340004A		不能将双重安全开关设为 ON。	3	欲将双重安全开关设为 ON，但由于未输入双重安全开关信号的 1 系统，未能实现此操作。	请将双重安全开关设为 OFF 后，重新设为 ON。 仍然不能解决时，请更换多功能教导器。
8340004B		不能将防护停止设为 OFF。	3	欲将防护停止设为 OFF，但由于未输入防护停止信号的 1 系统，未能实现此操作。	请将防护停止信号的所有系统设为 ON 后，重新设为 OFF。 仍然不能解决时，请确认防护停止信号的连接状况。
8340004C		不能将自动允许设为 ON。	3	欲将自动允许设为 ON，但由于未输入自动允许信号的 1 系统，未能实现此操作。	请将自动允许输入信号的所有系统设为 OFF 后，重新设为 ON。 仍然不能解决时，请确认自动允许输入信号的连接状况。
83400051	6001	输入有误。	3	向伺服模块发送了错误的值。	请确认输入参数。
85400052	6607	伺服参数非法。	5	向伺服模块发送了错误的参数设定。	请确认变更的参数。
85400053	6607	伺服参数大小非法。	5	无法预测的错误。向伺服模块发送的参数设定的数据尺寸错误。	请将错误编号与错误名告知本公司服务部。
85400054	6607	未设定伺服参数。	5	无法预测的错误。未在伺服模块上正确地设定参数。	请将错误编号与错误名告知本公司服务部。
83400055	601B	伺服参数变更失败。	3	伺服模块的参数变更失败。	请确认变更的参数。
83400056	6001	非法轴。	3	指定错误的轴编号后执行了操作。	请确认指定的轴编号。
83400057	6003	输入尺寸非法。	3	无法预测的错误。向伺服模块发送的输入数据尺寸错误。	请将错误编号与错误名告知本公司服务部。
83400058	6003	输出尺寸非法。	3	无法预测的错误。伺服模块发出的输出数据尺寸错误。	请将错误编号与错误名告知本公司服务部。
83400059	6003	非法指令。	3	发送的指令索引不支持伺服模块。	请确认指定的指令索引。
8340005A	6003	参数有误。	3	指定错误的参数后执行了操作。	请确认指定的参数。
8340005B	6001	Invalid arm number	3	Operation was performed with invalid arm number.	请确认指定的参数。
83404061	6001	1 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404062	6001	2 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404063	6001	3 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。

错码	RC7 编码	信息	等级	说明	恢复处理
83404064	6001	4 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404065	6001	5 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404066	6001	6 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404067	6001	7 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
83404068	6001	8 轴:无效轴。	3	指定无效的轴编号后执行了操作。	请确认指定的轴编号。
85400071	6182	中断已延迟。(1)	5	因中断处理延迟，未能正常地运算电机指令值。	请将错误编号与错误名告知本公司服务部。
85400072	6182	中断已延迟。(2)	5	因中断处理延迟，未能正常地运算电机指令值。	请将错误编号与错误名告知本公司服务部。
85400073	6181	伺服处理已延迟。(1)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400074	6181	伺服处理已延迟。(2)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400075	6181	伺服处理已延迟。(3)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400076	6181	伺服处理已延迟。(4)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400077	6181	伺服处理已延迟。(5)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400078	6181	伺服处理已延迟。(6)	5	因伺服处理延迟，未能正常地执行处理。	请将错误编号与错误名告知本公司服务部。
85400081		请更新 LMB FPGA。	5	因 LMB FPGA 的版本较旧，无法与 FPGA 进行正常通信。	请更新 LMB FPGA。
85400082		请更新 I/O FPGA。	5	因 I/O FPGA 的版本较旧，无法与 FPGA 进行正常通信。	请更新 I/O FPGA。
85400083		电源单元软件的版本异常。	5	因电源装置软件的版本较旧，无法与电源装置进行正常通信。	请将错误编号与错误名告知本公司服务部。
85400084		Failed to erase Flash sector	5	Failed to erase FLASH sector while update FLASH.	请将错误编号与错误名告知本公司服务部。
85400085		Flash access timeout error	5	FLASH access timeout occurred.	请将错误编号与错误名告知本公司服务部。
85400086		Flash access mode change timeout error	5	FLASH access mode change timeout occurred.	请将错误编号与错误名告知本公司服务部。
85400087		Flash read access timeout error	5	FLASH read access timeout occurred.	请将错误编号与错误名告知本公司服务部。
85400088		Flash write access timeout error	5	FLASH write access timeout occurred.	请将错误编号与错误名告知本公司服务部。
85400089		Flash write crc error	5	FLASH write data is wrong crc.	请将错误编号与错误名告知本公司服务部。
8540008A		Flash write range error	5	FLASH write data range is wrong.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
8540008B		Flash erase timeout error	5	FLASH erase access timeout pccirred while update FLASH.	请将错误编号与错误名告知本公司服务部。
8540008C		Flash read error	5	FLASH read access error occurred.	请将错误编号与错误名告知本公司服务部。
8540008D		Flash write error	5	FLASH write access error occurred.	请将错误编号与错误名告知本公司服务部。
8540008E		Flash access error	5	FLASH access error occurred.	请将错误编号与错误名告知本公司服务部。
8540008F		Flash access mode change error	5	FLASH access mode change error occurred.	请将错误编号与错误名告知本公司服务部。
80400091		请重新启动机器人控制器。	0	为反映参数，需重启。	请重新接通机器人控制器的电源。
85400092		在电源异常的状态下不能执行。	5	正在发生电源异常的状态下试图执行不能执行的操作。	请重新接通机器人控制器的电源。
854000F0		Fatal error occurred.	5	Fatal error occurred.	请将错误编号与错误名告知本公司服务部。
854000F1		Since the fatal error occurred, the robot controller was rebooted.	5	Because the fatal error occurred, the robot controller was rebooted.	请将错误编号与错误名告知本公司服务部。
85400101	602B	未能设电机为 ON。(CON)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400102	602B	未能设电机为 ON。(ONREJ)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400103	602A	未能设电机为 ON。(ONTO)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400104	602B	未能设电机为 ON。(CHKREJ)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400105	602A	未能设电机为 ON。(CHKTO)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400106	602B	未能设电机为 ON。(EXT)	5	未能设电机为 ON。	请将错误编号与错误名告知本公司服务部。
85400109	602D	电机 OFF 失败。(OFFREJ)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
8540010A	602C	电机 OFF 失败。(OFFTO)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
8540010B	602D	电机 OFF 失败。(CHKREJ)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
8540010C	602C	电机 OFF 失败。(CHKTO)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
8540010D	602D	电机 OFF 失败。(CON)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
8540010E	602D	电机 OFF 失败。(EXT)	5	电机 OFF 失败。	请将错误编号与错误名告知本公司服务部。
85400111		未能通知电源单元启动完成。(REJ)	5	未能通知电源单元启动完成。	请将错误编号与错误名告知本公司服务部。
85400112		未能通知电源单元启动完成。(TO)	5	未能通知电源单元启动完成。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84400113		未能获取电源单元的软件版本。(REJ)	4	未能获取电源单元的软件版本。	请将错误编号与错误名告知本公司服务部。
84400114		未能获取电源单元的软件版本。(TO)	4	未能获取电源单元的软件版本。	请将错误编号与错误名告知本公司服务部。
84400115		获取电源单元的硬件版本失败。(REJ)	4	获取电源单元的硬件版本失败。	请将错误编号与错误名告知本公司服务部。
84400116		获取电源单元的硬件版本失败。(TO)	4	获取电源单元的硬件版本失败。	请将错误编号与错误名告知本公司服务部。
84400117		获取 AC 输入电压失败。(REJ)	4	获取 AC 输入电压失败。	请将错误编号与错误名告知本公司服务部。
84400118		获取 AC 输入电压失败。(TO)	4	获取 AC 输入电压失败。	请将错误编号与错误名告知本公司服务部。
8540011A		与电源单元间的通信被切断。(REJ)	5	与电源单元间的通信被切断。	请将错误编号与错误名告知本公司服务部。
8540011B		与电源单元间的通信被切断。(TO)	5	与电源单元间的通信被切断。	请将错误编号与错误名告知本公司服务部。
8540011C		设置 I/O 内部电源 ON 失败。(REJ)	5	设置 I/O 内部电源 ON 失败。	请将错误编号与错误名告知本公司服务部。
8540011D		设置 I/O 内部电源 ON 失败。(TO)	5	设置 I/O 内部电源 ON 失败。	请将错误编号与错误名告知本公司服务部。
85400121		电机 BUSFET 控制电路异常。(FO)	5	在电源 CPU 上，检测出强电主板的下述某种状态。 ・降压 FET 的打开故障 ・升压 FET 的短路故障 ・再生 FET 的短路故障 ・DBFET 的短路故障	请将错误编号与错误名告知本公司服务部。
85400122		电机 BUSFET 控制电路异常。(WDT)	5	在电源 CPU 上，检测出强电主板的下述某种状态。 ・降压 FET 的打开故障 ・升压 FET 的短路故障 ・再生 FET 的短路故障 ・DBFET 的短路故障	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85400123		电机 BUSFET 控制电路异常。(PRS)	5	在电源 CPU 上，检测出强电主板的下述某种状态。 ・降压 FET 的打开故障 ・升压 FET 的短路故障 ・再生 FET 的短路故障 ・DBFET 的短路故障	请将错误编号与错误名告知本公司服务部。
85400124		电机 BUSFET 控制电路异常。(MBO)	5	在电源 CPU 上，检测出强电主板的下述某种状态。 ・降压 FET 的打开故障 ・升压 FET 的短路故障 ・再生 FET 的短路故障 ・DBFET 的短路故障	请将错误编号与错误名告知本公司服务部。
85400130		AC 输入电路异常。	5	电源单元检测出 AC 输入电路异常。	请将错误编号与错误名告知本公司服务部。
85400131		设置接触器 ON 失败。(EXT)	5	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
85400132		设置接触器 ON 失败。(AF)	5	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
85400134		设置接触器 ON 失败。(AE)	5	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
84400135		设置接触器 ON 失败。(EMG)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
84400136		设置接触器 ON 失败。(IEM)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
84400137		设置接触器 ON 失败。(PRT)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
84400138		设置接触器 ON 失败。(AEN)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
84400139		设置接触器 ON 失败。(DMN)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
8540013A		设置接触器 ON 失败。(CPU)	5	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
8440013B		设置接触器 ON 失败。(MODE)	4	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
8540013C		设置接触器 ON 失败。(SAIO)	5	设置接触器 ON 失败。	请将错误编号与错误名告知本公司服务部。
85400141		设置接触器 OFF 失败。(AF)	5	设置接触器 OFF 失败。	请将错误编号与错误名告知本公司服务部。
85400143		设置接触器 OFF 失败。(AE)	5	设置接触器 OFF 失败。	请将错误编号与错误名告知本公司服务部。
84400181		发送至电源装置的数据尺寸非法。	4	发送至电源装置的数据尺寸非法。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84400182		已接收无效的电源通信组。	4	已接收无效的电源通信组。	请将错误编号与错误名告知本公司服务部。
84400183		从电源单元重新发送失败。	4	从电源单元重新发送失败。	请将错误编号与错误名告知本公司服务部。
84400184		从电源单元重新接收失败。	4	从电源单元重新接收失败。	请将错误编号与错误名告知本公司服务部。
84400185		已接收无效发送源发出的电源通信组。	4	已接收无效发送源发出的电源通信组。	请将错误编号与错误名告知本公司服务部。
84400186		已接收发送至无效发送目的地的电源通信组。	4	已接收发送至无效发送目的地的电源通信组。	请将错误编号与错误名告知本公司服务部。
83400187		未向电源单元发送启动完成的通知。	3	未向电源单元发送启动完成的通知。	请将错误编号与错误名告知本公司服务部。
83400188		与电源单元间的通信被中断。	3	与电源单元间的通信被中断。	请将错误编号与错误名告知本公司服务部。
83400189		与电源单元的通信超时。	3	与电源单元的通信超时。	请将错误编号与错误名告知本公司服务部。
8340018A		与电源单元的通信失败。	3	与电源单元的通信失败。	请将错误编号与错误名告知本公司服务部。
85400191	6102	电源异常。	5	电源异常。	请将错误编号与错误名告知本公司服务部。
85400192		电源监控器的定时器异常。	5	电源单元的处理已停止。	请将错误编号与错误名告知本公司服务部。
854001A1		AC 输入电压异常。	5	检测到电源单元停止。	请将错误编号与错误名告知本公司服务部。
834001A2		该机器人不支持 AC 输入电压 100V。	3	正试图使用 100V 电源运行不支持 100V 的机器人。	请将机器人控制器连接至 AC200V 电源。
834001A3		AC 输入电压为 100V 时不能启动电机。	3	正试图使用 100V 电源运行不支持 100V 的机器人。	请将机器人控制器连接至 AC200V 电源。
834001A4		控制器不支持 AC 输入电压 100V。	3	在该机器人控制器上使用 100V 无法运行机器人。	请将机器人控制器连接至 AC200V 电源。
834001B1		控制器不支持电源 Log 功能。	3	在该机器人控制器上不能使用电源 Log 功能。	请将电源 Log 设为无效。
834001C1		控制器不支持附加轴功能。	3	在该机器人控制器上不能使用附加轴功能。 此外，装载 4 张激励器单元板时，可能会发生多功能教导器无法显示的问题。	请将错误编号与错误名告知本公司服务部。
83400300		I/O 异常。	3	不能正常访问 I/O。	请将错误编号与错误名告知本公司服务部。
85400301		I/O 监控器的定时器异常。	5	I/O 处理已停止。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
85400310		ch1:Mini I/O 输出短路。	5	Mini I/O ch1 的输出短路。	请确认 Mini I/O ch1 的连接状况。
85400311		ch2:Mini I/O 输出短路。	5	Mini I/O ch2 的输出短路。	请确认 Mini I/O ch2 的连接状况。
85400312		ch3:Mini I/O 输出短路。	5	Mini I/O ch3 的输出短路。	请确认 Mini I/O ch3 的连接状况。
85400313		ch4:Mini I/O 输出短路。	5	Mini I/O ch4 的输出短路。	请确认 Mini I/O ch4 的连接状况。
85400314		ch5:Mini I/O 输出短路。	5	Mini I/O ch5 的输出短路。	请确认 Mini I/O ch5 的连接状况。
85400315		ch6:Mini I/O 输出短路。	5	Mini I/O ch6 的输出短路。	请确认 Mini I/O ch6 的连接状况。
85400316		ch7:Mini I/O 输出短路。	5	Mini I/O ch7 的输出短路。	请确认 Mini I/O ch7 的连接状况。
85400317		ch8:Mini I/O 输出短路。	5	Mini I/O ch8 的输出短路。	请确认 Mini I/O ch8 的连接状况。
85400318		ch9:Mini I/O 输出短路。	5	Mini I/O ch9 的输出短路。	请确认 Mini I/O ch9 的连接状况。
85400319		ch10:Mini I/O 输出短路。	5	Mini I/O ch10 的输出短路。	请确认 Mini I/O ch10 的连接状况。
8540031A		ch11:Mini I/O 输出短路。	5	Mini I/O ch11 的输出短路。	请确认 Mini I/O ch11 的连接状况。
8540031B		ch12:Mini I/O 输出短路。	5	Mini I/O ch12 的输出短路。	请确认 Mini I/O ch12 的连接状况。
8540031C		ch13:Mini I/O 输出短路。	5	Mini I/O ch13 的输出短路。	请确认 Mini I/O ch13 的连接状况。
8540031D		ch14:Mini I/O 输出短路。	5	Mini I/O ch14 的输出短路。	请确认 Mini I/O ch14 的连接状况。
8540031E		ch15:Mini I/O 输出短路。	5	Mini I/O ch15 的输出短路。	请确认 Mini I/O ch15 的连接状况。
8540031F		ch16:Mini I/O 输出短路。	5	Mini I/O ch16 的输出短路。	请确认 Mini I/O ch16 的连接状况。
85400320		ch1:Hand I/O 输出短路。	5	Hand I/O ch1 的输出短路。	请确认 Hand I/O ch1 的连接状况。
85400321		ch2:Hand I/O 输出短路。	5	Hand I/O ch2 的输出短路。	请确认 Hand I/O ch2 的连接状况。
85400322		ch3:Hand I/O 输出短路。	5	Hand I/O ch3 的输出短路。	请确认 Hand I/O ch3 的连接状况。
85400323		ch4:Hand I/O 输出短路。	5	Hand I/O ch4 的输出短路。	请确认 Hand I/O ch4 的连接状况。
85400324		ch5:Hand I/O 输出短路。	5	Hand I/O ch5 的输出短路。	请确认 Hand I/O ch5 的连接状况。
85400325		ch6:Hand I/O 输出短路。	5	Hand I/O ch6 的输出短路。	请确认 Hand I/O ch6 的连接状况。
85400326		ch7:Hand I/O 输出短路。	5	Hand I/O ch7 的输出短路。	请确认 Hand I/O ch7 的连接状况。
85400327		ch8:Hand I/O 输出短路。	5	Hand I/O ch8 的输出短路。	请确认 Hand I/O ch8 的连接状况。
85400330		I/O 内部电源 24V 保险丝熔断。	5	检测出 I/O 内部电源的 24V 保险丝熔断。	请确认 I/O 电源的连接状况。
85400331		I/O 内部电源 0V 保险丝熔断。	5	检测出 I/O 内部电源的 0V 保险丝熔断。	请确认 I/O 电源的连接状况。

错码	RC7 编码	信息	等级	说明	恢复处理
85400332		Mini I/O 电源 24V 保险丝熔断。	5	检测出 Mini I/O 电源的 24V 保险丝熔断。	请确认 I/O 电源的连接状况。
85400333		Mini I/O 电源 0V 保险丝熔断。	5	检测出 Mini I/O 电源的 0V 保险丝熔断。	请确认 I/O 电源的连接状况。
85400334		Hand I/O 电源 24V 保险丝熔断。	5	检测出 Hand I/O 电源的 24V 保险丝熔断。	请确认 I/O 电源的连接状况。
85400335		Hand I/O 电源 0V 保险丝熔断。	5	检测出 Hand I/O 电源的 0V 保险丝熔断。	请确认 I/O 电源的连接状况。
85400336		I/O 外部电源接反。	5	I/O 外部电源的 24V 与 GND 接反。	请确认 I/O 外部电源的连接状况。
85400337		指定 I/O 内部电源，并供给外部电源。	5	指定 I/O 内部电源时，不能接受外部电源的供给。	请确认是否变更 I/O 外部电源的设定，或者 I/O 电源的连接状况。
80400338		指定 I/O 外部电源，且供给外部电源。	0	指定 I/O 外部电源时，只有供给外部电源才能使用 I/O。	请确认是否变更 I/O 内部电源的设定，或者 I/O 电源的连接状况。
85400339		未输出 I/O 内部电源。	5	I/O internal power supply output has stopped.	Make sure that the signal lines (see below) of +24V and +0V on Mini I/O are not shorted; if so, repair the short-circuit before using. < Signal lines of +24V > - External Emergency Stop (input) - Enable Auto (input) - Protective Stop (input) - DC power output +24V < Signal lines of +0V > - DC power output 0V - Case of Mini I/O connecter If the problem cannot be repaired, please contact DENSO WAVE service with error number and error message.
8440033A		使用中的 I/O 外部电源已停止供给。	4	检测出 I/O 外部电源的异常。	请确认 I/O 外部电源的连接状况。

错码	RC7 编码	信息	等级	说明	恢复处理
854003C1		Option device power supply fuse blown	5	Option device power supply fuse blow is detected.	Check the extended-joint unit and/or the fieldnet box wiring. If the problem cannot be repaired, please contact DENSO WAVE service with error number and error message.
854003C2		LED power supply fuse blown	5	LED power supply fuse blow is detected.	请将错误编号与错误名告知本公司服务部。
84400401	6139	激励器单元 1 温度异常。	4	激励器单元升温，检测出温度异常。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
84400402	6139	激励器单元 2 温度异常。	4	激励器单元升温，检测出温度异常。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
84400403	6139	激励器单元 3 温度异常。	4	激励器单元升温，检测出温度异常。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
84400404	6139	激励器单元 4 温度异常。	4	激励器单元升温，检测出温度异常。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
80400409		激励器单元 1 温度警告。	0	激励器单元升温，检测出温度警告。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
8040040A		激励器单元 2 温度警告。	0	激励器单元升温，检测出温度警告。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
8040040B		激励器单元 3 温度警告。	0	激励器单元升温，检测出温度警告。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
8040040C		激励器单元 4 温度警告。	0	激励器单元升温，检测出温度警告。	请变更机器人控制器的设置场所，以便降低速度、加速度，或者适当散热。
84400411		未检测出激励器单元的容量。	4	未能检测出激励器单元的容量。	请将错误编号与错误名告知本公司服务部。
85400412		机器人侧的制动器保险丝熔断。	5	检测出机器人的制动器保险丝熔断。	请检查机器人的制动器保险丝。
81400413		内部电池寿命警告。	1	机器人控制器内部的电池使用寿命导致电压降低。	请检查机器人控制器的内部电池。
84400414		UL 指示灯保险丝熔断。	4	检测出 UL 指示灯的保险丝熔断。	请检查 UL 指示灯的保险丝。
85400415		UL brake fuse blown	5	UL brake fuse blow is detected.	Inspect the UL brake fuse.

错码	RC7编码	信息	等级	说明	恢复处理
85400416		Robot brake broke down, but failed to query trouble point.	5	Robot brake broke down, but failed to detect trouble point, because failed to query trouble point.	请将错误编号与错误名告知本公司服务部。
85400417		Main robot brake lock failure	5	Main robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85400418		Main robot brake release failure	5	Main robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
85400421		风扇 1 停止。	5	风扇 1 停止。	请将错误编号与错误名告知本公司服务部。
85400422		风扇 2 停止。	5	风扇 2 停止。	请将错误编号与错误名告知本公司服务部。
85400423		风扇 3 停止。	5	风扇 3 停止。	请将错误编号与错误名告知本公司服务部。
85400424		风扇 4 停止。	5	风扇 4 停止。	请将错误编号与错误名告知本公司服务部。
85400425		风扇 5 停止。	5	风扇 5 停止。	请将错误编号与错误名告知本公司服务部。
85400426		风扇 6 停止。	5	风扇 6 停止。	请将错误编号与错误名告知本公司服务部。
85400427		风扇 7 停止。	5	风扇 7 停止。	请将错误编号与错误名告知本公司服务部。
81400431		风扇 1 的寿命警告。	1	风扇 1 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400432		风扇 2 的寿命警告。	1	风扇 2 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400433		风扇 3 的寿命警告。	1	风扇 3 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400434		风扇 4 的寿命警告。	1	风扇 4 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400435		风扇 5 的寿命警告。	1	风扇 5 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400436		风扇 6 的寿命警告。	1	风扇 6 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
81400437		风扇 7 的寿命警告。	1	风扇 7 的使用寿命导致转数降低。	请将错误编号与错误名告知本公司服务部。
85400441		Driver unit 1 board information abnormal	5	Failed to find the capacity of driver unit board and extension board installation conditions (such as power output board) because the driver unit board information is incorrect.	请将错误编号与错误名告知本公司服务部。
85400442		Driver unit 2 board information abnormal	5	Failed to find the capacity of driver unit board and extension board installation conditions (such as power output board) because the driver unit board information is incorrect.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85400443		Driver unit 3 board information abnormal	5	Failed to find the capacity of driver unit board and extension board installation conditions (such as power output board) because the driver unit board information is incorrect.	请将错误编号与错误名告知本公司服务部。
85400444		Driver unit 4 board information abnormal	5	Failed to find the capacity of driver unit board and extension board installation conditions (such as power output board) because the driver unit board information is incorrect.	请将错误编号与错误名告知本公司服务部。
84400451		Brake release by external brake release switch.	4	Brake release by external brake release switch. For safety, cancel the brake release operation from controller.	When you don't use external brake release switch, please contact DENSO WAVE service with error number and error message.
84400452		Brake release by external brake release switch.	4	Brake release by external brake release switch. For safety, controller turns off motor.	When you don't use external brake release switch, please contact DENSO WAVE service with error number and error message.
83400453		When brake release by external brake release switch, you cannot release brake by controller.	3	For safety, when brake release by external brake release switch, you cannot release brake by controller.	When you don't use external brake release switch, please contact DENSO WAVE service with error number and error message.
83400454		When brake release by external brake release switch, you cannot turn motor on.	3	For safety, when brake release by external brake release switch, you cannot turn motor on.	When you don't use external brake release switch, please contact DENSO WAVE service with error number and error message.
83400455		External brake release switch circuit error.	3	External brake release switch circuit error is detected.	请将错误编号与错误名告知本公司服务部。
84404411		1 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404412		2 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404413		3 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404414		4 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404415		5 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404416		6 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404417		7 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404418		8 轴:激励器单元的保险丝熔断。	4	检测出激励器单元的保险丝熔断。	请确认激励器单元的保险丝。
84404421		1 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。

错码	RC7 编码	信息	等级	说明	恢复处理
84404422		2 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404423		3 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404424		4 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404425		5 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404426		6 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404427		7 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404428		8 轴:激励器单元的容量异常。	4	运转该机器人的激励器单元，使用了不同容量的激励器单元。	请确认机器人控制器与机器人的组合。
84404431		1 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404432		2 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404433		3 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404434		4 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404435		5 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404436		6 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404437		7 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404438		8 轴:激励器单元的 U 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404441		1 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404442		2 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404443		3 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404444		4 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404445		5 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。

错码	RC7 编码	信息	等级	说明	恢复处理
84404446		6 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404447		7 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
84404448		8 轴:激励器单元的 V 相过电流。	4	检测出激励器单元发生过电流。	请降低速度、加速度。
85404451		1 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404452		2 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404453		3 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404454		4 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404455		5 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404456		6 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404457		7 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404458		8 轴:激励器单元异常。	5	检测出激励器单元发生异常。	请将错误编号与错误名告知本公司服务部。
85404461		1 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404462		2 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404463		3 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404464		4 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404465		5 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404466		6 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404467		7 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404468		8 轴:制动器保险丝熔断。	5	检测出制动器保险丝熔断。	请检查制动器保险丝。
85404471		1 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404472		2 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404473		3 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404474		4 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404475		5 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404476		6 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404477		7 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404478		8 轴:U 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404481		1 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404482		2 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404483		3 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404484		4 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404485		5 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404486		6 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404487		7 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404488		8 轴:V 相电流偏移异常。	5	电流传感器的零电流等级异常。	请将错误编号与错误名告知本公司服务部。
85404491		J1:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404492		J2:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404493		J3:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404494		J4:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404495		J5:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404496		J6:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404497		J7:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
85404498		J8:Robot brake lock failure	5	Robot brake breakdown is detected when brake lock.	请将错误编号与错误名告知本公司服务部。
854044A1		J1:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A2		J2:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A3		J3:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A4		J4:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
854044A5		J5:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A6		J6:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A7		J7:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
854044A8		J8:Robot brake broke release failure	5	Robot brake breakdown is detected when brake release.	请将错误编号与错误名告知本公司服务部。
844044B1		J1:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B2		J2:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B3		J3:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B4		J4:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B5		J5:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B6		J6:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B7		J7:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044B8		J8:Excessive current error	4	Current error between command and detection exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C1		J1:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
844044C2		J2:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C3		J3:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C4		J4:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C5		J5:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C6		J6:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C7		J7:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844044C8		J8:Excessive voltage command error	4	Voltage command exceeds predetermined limit.	Reduce robot speed, acceleration and decelaration. If the error still occurs, please contact DENSO WAVE service with error number and error message.
85400501	6181	伺服运算超时。	5	伺服处理的运算时间超出规定值。	请将错误编号与错误名告知本公司服务部。
84400502		指令值缓冲区溢出。	4	传输指令值的内部缓冲区溢出。	请将错误编号与错误名告知本公司服务部。
84400503	671A	指令值缓冲区下溢。	4	发送指令值的内部缓冲区下溢。	请将错误编号与错误名告知本公司服务部。
82400504		伺服 Log 缓冲区溢出。	2	伺服 Log 的内部缓冲区溢出。	请将错误编号与错误名告知本公司服务部。
82400505		DETECT 缓冲区溢出。	2	DETECT 功能的内部缓冲区溢出。	请将错误编号与错误名告知本公司服务部。
80400506		Regeneration was not released when brake release	0	Regeneration was not released when brake release. Brake is released, but you feel heavy when moving by hand because regeneration is active.	Update FPGA (Main).
85400507		Initialization failed. Reboot the robot controller.	5	Initialization failed. Reboot the robot controller.	Reboot the robot controller. If the error still occurs, please contact DENSO WAVE service.
84404511		1 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。

错码	RC7 编码	信息	等级	说明	恢复处理
84404512		2 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404513		3 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404514		4 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404515		5 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404516		6 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404517		7 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404518		8 轴:位置偏差过大。	4	检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404521		1 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404522		2 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404523		3 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404524		4 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404525		5 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404526		6 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。

错码	RC7 编码	信息	等级	说明	恢复处理
84404527		7 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404528		8 轴:停止中的位置偏差过大。	4	停止状态下检测出超出其允许值的位置偏差。	在变更位置偏差允许值、使用电流限制时，将这些功能设为无效。
84404531		1 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404532		2 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404533		3 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404534		4 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404535		5 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404536		6 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404537		7 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404538		8 轴:速度指令过大。	4	检测出超出速度界限值的速度指令。	请降低速度。
84404541		1 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404542		2 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404543		3 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404544		4 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404545		5 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404546		6 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404547		7 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404548		8 轴:加速度指令过大。	4	检测出超出加速度界限值的加速度指令。	请降低加速度。
84404551		1 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404552		2 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404553		3 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404554		4 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404555		5 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404556		6 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。

错码	RC7 编码	信息	等级	说明	恢复处理
84404557		7 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404558		8 轴:速度过大。	4	使用编码器检测出超出速度界限值的速度。	请降低速度。
84404561		1 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404562		2 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404563		3 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404564		4 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404565		5 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404566		6 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404567		7 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404568		8 轴:加速度过大。	4	使用编码器检测出超出加速度界限值的加速度。	请降低加速度。
84404571		1 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404572		2 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404573		3 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404574		4 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404575		5 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404576		6 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404577		7 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
84404578		8 轴:过电流。	4	检测出超出电流界限值的电机电流。	请降低速度、加速度。
82404581		1 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404582		2 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404583		3 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404584		4 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404585		5 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。

错码	RC7 编码	信息	等级	说明	恢复处理
82404586		6 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404587		7 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
82404588		8 轴:制动器 OFF 状态下检测出机械臂掉落。	2	在制动器 OFF 状态下检测出机械臂掉落。	在制动器 OFF 状态下，请避免机械臂掉落。
84400600	64FF	意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
83400601		编码器未初始化。	3	试图在编码器的初始化处理完成前执行不能执行的操作。	请在编码器的初始化处理完成后再操作。
83400602		编码器正在初始化。	3	试图在初始化编码器时执行不能执行的操作。	请在编码器的初始化处理完成后再操作。
83400603		发生编码器错误。	3	试图在编码器发生错误的状态下执行不能执行的操作。	请清空错误后再操作。
83400604		编码器复位中。	3	试图在编码器复位处理时执行不能执行的操作。	请在编码器的复位处理完成后再操作。
83400605		正在访问编码器。	3	试图在访问编码器的状态下执行不能执行的操作。	请访问完编码器后再操作。
83400606		编码器处理已超时。	3	编码器操作超时。	请将错误编号与错误名告知本公司服务部。
83400607		非法的编码器 ID。	3	已指定错误的编码器 ID。	请确认指定的编码器 ID。
83400608		不支持编码器。	3	试图在连接此机器人的编码器上执行其不支持的功能。	此机器人不支持，不能执行指定的操作。
84400609	64FD	访问编码器保存区域失败。	4	访问编码器保存区域失败。	请将错误编号与错误名告知本公司服务部。
8440060A	64FD	访问非法地址的编码器保存区域。	4	试图访问编码器保存区域的错误地址。	请将错误编号与错误名告知本公司服务部。
8440060B	64FD	访问写入保护区域的编码器保存区域。	4	试图访问编码器保存区域的写入保护区域。	请将错误编号与错误名告知本公司服务部。
8540060C		指定编码器格式失败。	5	编码器的通信格式设定失败。	请将错误编号与错误名告知本公司服务部。
8540060D		This robot controller does not support the encoder	5	The encoder which does not support this robot controller is connected.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
8540060E		Failed to change encoder mode	5	Failed to set encoder communication mode.	Check the encoder wirings and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
85400610		Failed to access encoder	5	Failed to access dual arm control slave robot encoder because this robot controller does not support multi-kinematics slave robot encoder.	Update FPGA (Main).
85400611		Failed to set slave robot	5	Failed to set dual arm control slave robot.	Update FPGA (Mecha).
83400681		Encoder-hub data not received	3	Failed to receive data from encoder-hub.	Check the encoder-hub wiring.
83400682		Encoder-hub framing error	3	Failed to communicate with Encoder-hub	Check the encoder-hub wiring.
83400683		Encoder-hub CRC check error	3	Failed to communicate with Encoder-hub	Check the encoder-hub wiring.
83400684		Encoder-hub data transmitting timeout	3	Failed to send data to Encoder-hub.	Check the encoder-hub wiring.
83400685		Encoder-hub invalid received address	3	Failed to communicate with Encoder-hub	Check the encoder-hub wiring.
83400686		Encoder-hub is not connected	3	Failed to communicate Encoder-hub because Encoder-hub is not connected.	Check the encoder-hub wiring.
83400691		Encoder root cable communication error 1	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
83400692		Encoder root cable communication error 2	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
83400693		Encoder root cable communication error 3	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
83400694		Encoder root cable communication error 4	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
83400695		Encoder root cable communication error 5	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
83400696		Encoder root cable communication error 6	3	Error occurred in the communication cable between a robot controller and an encoder-hub.	Check the encoder root cable and reboot the robot controller. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854006B0		Backup alarm	5	Backup alarm	Replace encoder battery, reset the encoder and perform CALSET. If the error still occurs, please contact DENSO WAVE service with error number and error message.
854006B1		Encoder error	5	Encoder error	Replace encoder battery and perform CALSET. If the error still occurs, please contact DENSO WAVE service with error number and error message.
844006C0		Bit stuffing error	4	Bit stuffing error	请将错误编号与错误名告知本公司服务部。
844006C1		Bit monitor error	4	Bit monitor error	请将错误编号与错误名告知本公司服务部。
844006C2		Recv error	4	Recv error	请将错误编号与错误名告知本公司服务部。
844006C3		Send error	4	Send error	请将错误编号与错误名告知本公司服务部。
84404601		1 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404602		2 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404603		3 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404604		4 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404605		5 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404606		6 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404607		7 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404608		8 轴:意外编码器错误。	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
83404611		ID1:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404612		ID2:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404613		ID3:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。

错码	RC7 编码	信息	等级	说明	恢复处理
83404614		ID4:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404615		ID5:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404616		ID6:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404617		ID7:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
83404618		ID8:无效的编码器 ID。	3	已指定无效的编码器 ID。	请确认指定的编码器 ID。
84404621		1 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404622		2 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404623		3 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404624		4 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404625		5 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404626		6 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404627		7 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
84404628		8 轴:编码器通信异常。	4	与编码器的通信失败。	请确认与编码器的连接情况。
82404631		1 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404632		2 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404633		3 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404634		4 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404635		5 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404636		6 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404637		7 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
82404638		8 轴:编码器电池电压下降。	2	编码器电池的电压降低。	请更换编码器电池。
85404641		1 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404642		2 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404643		3 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404644		4 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404645		5 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404646		6 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404647		7 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404648		8 轴:编码器计数错误 1。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404651		1 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404652		2 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404653		3 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404654		4 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404655		5 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404656		6 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404657		7 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404658		8 轴:编码器计数错误 2。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404661		1 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404662		2 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404663		3 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404664		4 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404665		5 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404666		6 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404667		7 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。
85404668		8 轴:编码器计数错误 3。	5	检测出编码器计数错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404671		1 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".
85404672		2 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".

错码	RC7 编码	信息	等级	说明	恢复处理
85404673		3 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".
85404674		4 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".

错码	RC7 编码	信息	等级	说明	恢复处理
85404675		5 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".
85404676		6 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".

错码	RC7 编码	信息	等级	说明	恢复处理
85404677		7 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".
85404678		8 轴:编码器系统故障。	5	编码器发生系统故障，内部保持的多圈旋转的数据消失。	Resume method can be changed depending on the original number on the error message window. 1. If the original number is 8540467*(* applies numeric characters from 1 to 8) or 854006B0, replace encoder battery, reset the encoder and perform CALSET. 2. If the original number is 854006B1, the encoder is broken. Please contact DENSO WAVE service with error number, the original number, and error message. For the original number, see "Provider Errors"(ID : 5122) in "PROVIDER GUIDE".
85404681		1 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404682		2 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404683		3 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404684		4 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404685		5 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404686		6 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404687		7 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404688		8 轴: 编码器超速。	5	检测出编码器超速错误。	请将错误编号与错误名告知本公司服务部。
85404691		1 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404692		2 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404693		3 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404694		4 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404695		5 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404696		6 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404697		7 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
85404698		8 轴: 编码器溢出。	5	检测出编码器溢出。	请将错误编号与错误名告知本公司服务部。
834046A1		1 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A2		2 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A3		3 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A4		4 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A5		5 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A6		6 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A7		7 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
834046A8		8 轴:编码器温度异常。	3	检测出编码器的温度超出温度界限。	请降低速度、加速度。
844046B1		1 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B2		2 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B3		3 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B4		4 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B5		5 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B6		6 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B7		7 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046B8		8 轴:编码器 MEM 错误。	4	检测出编码器的 MEM 错误。	请将错误编号与错误名告知本公司服务部。
844046C1		1 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
844046C2		2 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C3		3 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C4		4 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C5		5 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C6		6 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C7		7 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046C8		8 轴:编码器 MEM BUSY。	4	检测出编码器的 MEM BUSY。	请将错误编号与错误名告知本公司服务部。
844046D1		1 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D2		2 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D3		3 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D4		4 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D5		5 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D6		6 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D7		7 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046D8		8 轴:编码器数据未接收。	4	未能接收编码器发出的数据。	请确认与编码器的连接情况。
844046E1		1 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E2		2 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E3		3 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E4		4 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E5		5 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E6		6 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E7		7 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046E8		8 轴:编码器成帧错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F1		1 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F2		2 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F3		3 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。

错码	RC7 编码	信息	等级	说明	恢复处理
844046F4		4 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F5		5 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F6		6 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F7		7 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
844046F8		8 轴:编码器 CRC 错误。	4	与编码器的通信失败。	请确认与编码器的连接情况。
85404701		1 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404702		2 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404703		3 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404704		4 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404705		5 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404706		6 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404707		7 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
85404708		8 轴:编码器绝对错误。	5	检测出编码器绝对错误。	请将错误编号与错误名告知本公司服务部。
84404711		1 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404712		2 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404713		3 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404714		4 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404715		5 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404716		6 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404717		7 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84404718		8 轴:获取多圈旋转数据失败。	4	编码器多圈旋转的数据获取失败。 启动时运转机械臂的情况下可能发生。	请将错误编号与错误名告知本公司服务部。
84404721		1 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404722		2 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404723		3 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404724		4 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404725		5 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404726		6 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404727		7 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404728		8 轴:编码器的通信测试失败。	4	编码器的通信测试失败。	请确认与编码器的连接情况。
84404731		1 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404732		2 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404733		3 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404734		4 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404735		5 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404736		6 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404737		7 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404738		8 轴:编码器温度传感器异常。	4	未能从编码器温度传感器正常获取温度。	请将错误编号与错误名告知本公司服务部。
84404741		1 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404742		2 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404743		3 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。

错码	RC7 编码	信息	等级	说明	恢复处理
84404744		4 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404745		5 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404746		6 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404747		7 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404748		8 轴:编码器预设异常。	4	未确定编码器旋转一圈内的位置信息。	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404751		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404752		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404753		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404754		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404755		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404756		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404757		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404758		J%1d: Unsupported encoder error 1	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
84404761		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404762		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404763		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404764		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404765		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404766		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404767		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404768		J%1d: Unsupported encoder error 2	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404771		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404772		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404773		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404774		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404775		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404776		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404777		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404778		J%1d: Unsupported encoder error 3	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404781		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404782		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
84404783		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404784		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404785		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404786		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404787		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404788		J%1d: Unsupported encoder error 4	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404791		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404792		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404793		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404794		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404795		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404796		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404797		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404798		J%1d: Unsupported encoder error 5	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A1		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A2		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A3		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A4		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
844047A5		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A6		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A7		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
844047A8		J%1d: Unsupported encoder error 6	4	编码器发生未预期错误。	请将错误编号与错误名告知本公司服务部。
84404801		J1:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404802		J2:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404803		J3:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404804		J4:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404805		J5:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404806		J6:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404807		J7:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404808		J8:Unexpected arm axis encoder error	4	Unexpected arm axis encoder error occurred.	请将错误编号与错误名告知本公司服务部。
84404821		J1:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404822		J2:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404823		J3:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404824		J4:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404825		J5:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404826		J6:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。

错码	RC7编码	信息	等级	说明	恢复处理
84404827		J7:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
84404828		J8:Arm axis encoder communication error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
82404831		J1:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404832		J2:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404833		J3:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404834		J4:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404835		J5:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404836		J6:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404837		J7:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
82404838		J8:Arm axis encoder low battery	2	Arm axis encoder battery voltage is low.	请更换编码器电池。
85404841		J1:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404842		J2:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404843		J3:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404844		J4:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404845		J5:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404846		J6:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404847		J7:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404848		J8:Arm axis encoder counter error 1	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404851		J1:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404852		J2:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404853		J3:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404854		J4:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404855		J5:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404856		J6:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404857		J7:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404858		J8:Arm axis encoder counter error 2	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404861		J1:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404862		J2:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404863		J3:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404864		J4:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404865		J5:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404866		J6:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404867		J7:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404868		J8:Arm axis encoder counter error 3	5	Arm axis encoder counter error is detected.	请将错误编号与错误名告知本公司服务部。
85404871		J1:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404872		J2:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404873		J3:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404874		J4:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。

错码	RC7编码	信息	等级	说明	恢复处理
85404875		J5:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404876		J6:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404877		J7:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404878		J8:Arm axis encoder system down	5	Arm axis encoder system down occurred, and internal multi-rotation data is lost.	更换编码器电池后，请进行编码器复位与 CALSET。
85404881		J1:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404882		J2:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404883		J3:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404884		J4:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404885		J5:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404886		J6:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404887		J7:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404888		J8:Arm axis encoder over speed error	5	Arm axis encoder overspeed error is detected.	请将错误编号与错误名告知本公司服务部。
85404891		J1:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404892		J2:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404893		J3:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404894		J4:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404895		J5:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404896		J6:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
85404897		J7:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
85404898		J8:Arm axis encoder counter overflow	5	Arm axis encoder overflow error is detected.	请将错误编号与错误名告知本公司服务部。
834048A1		J1:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A2		J2:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A3		J3:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A4		J4:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A5		J5:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A6		J6:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A7		J7:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
834048A8		J8:Arm axis encoder overheated	3	Arm axis encoder temperature exceeding its limit is detected.	请降低速度、加速度。
844048B1		J1:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B2		J2:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B3		J3:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B4		J4:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B5		J5:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B6		J6:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B7		J7:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。
844048B8		J8:Arm axis encoder memory data error (software)	4	Arm axis encoder MEM error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
844048C1		J1:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C2		J2:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C3		J3:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C4		J4:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C5		J5:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C6		J6:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C7		J7:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048C8		J8:Arm axis encoder memory busy	4	Arm axis encoder MEM BUSY is detected.	请将错误编号与错误名告知本公司服务部。
844048D1		J1:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D2		J2:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D3		J3:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D4		J4:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D5		J5:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D6		J6:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D7		J7:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048D8		J8:Arm axis encoder data unreceived	4	Failed to receive data from arm axis encoder.	请确认与编码器的连接情况。
844048E1		J1:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E2		J2:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E3		J3:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。

错码	RC7编码	信息	等级	说明	恢复处理
844048E4		J4:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E5		J5:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E6		J6:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E7		J7:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048E8		J8:Arm axis encoder framing error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F1		J1:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F2		J2:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F3		J3:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F4		J4:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F5		J5:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F6		J6:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F7		J7:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
844048F8		J8:Arm axis encoder CRC check error	4	Failed to communicate to arm axis encoder.	请确认与编码器的连接情况。
85404901		J1:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404902		J2:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404903		J3:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404904		J4:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404905		J5:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404906		J6:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
85404907		J7:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
85404908		J8:Arm axis encoder absolute error	5	Arm axis encoder absolute error is detected.	请将错误编号与错误名告知本公司服务部。
84404911		J1:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404912		J2:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404913		J3:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404914		J4:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404915		J5:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404916		J6:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404917		J7:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404918		J8:Arm axis encoder multi rotation data acquisition failure	4	Failed to acquire arm axis encoder multi rotation data.	请将错误编号与错误名告知本公司服务部。
84404921		J1:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404922		J2:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404923		J3:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404924		J4:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404925		J5:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404926		J6:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404927		J7:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。
84404928		J8:Arm axis encoder communication test failure	4	Arm axis encoder communication test failed.	请确认与编码器的连接情况。

错码	RC7编码	信息	等级	说明	恢复处理
84404931		J1:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404932		J2:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404933		J3:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404934		J4:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404935		J5:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404936		J6:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404937		J7:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404938		J8:Arm axis encoder temperature sensor error	4	Failed to acquire arm axis encoder temperature data.	请将错误编号与错误名告知本公司服务部。
84404941		J1:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404942		J2:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404943		J3:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404944		J4:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404945		J5:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。

错码	RC7 编码	信息	等级	说明	恢复处理
84404946		J6:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404947		J7:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404948		J8:Arm axis encoder preset error	4	Arm axis encoder precise position information hasn't been established yet.	请在停止机器人的状态下启动控制器。 仍然不能解决时，请将错误编号与错误名通知本公司支援部门。
84404951		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404952		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404953		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404954		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404955		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404956		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404957		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404958		J%1d: Unsupported arm axis encoder error 1	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404961		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404962		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404963		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404964		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
84404965		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404966		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404967		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404968		J%1d: Unsupported arm axis encoder error 2	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404971		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404972		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404973		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404974		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404975		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404976		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404977		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404978		J%1d: Unsupported arm axis encoder error 3	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404981		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404982		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404983		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404984		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404985		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404986		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
84404987		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404988		J%1d: Unsupported arm axis encoder error 4	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404991		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404992		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404993		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404994		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404995		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404996		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404997		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
84404998		J%1d: Unsupported arm axis encoder error 5	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A1		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A2		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A3		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A4		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A5		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A6		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A7		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.
844049A8		J%1d: Unsupported arm axis encoder error 6	4	Unexpected arm axis encoder error occurred.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
85400801		上次的备份处理失败。	5	上次操作电源 OFF 时，在保存区域的备份处理失败。	请从 MDB 到 FRAM 进行数据复位处理。
85400802		备份处理失败后未进行复位处理。	5	向保存区域的备份处理失败后，未正确进行复位处理。	请从 MDB 到 FRAM 进行数据复位处理。
85400803		保存区域访问检查异常。	5	保存区域的访问检查失败。	请将错误编号与错误名告知本公司服务部。
85400804		Backup data error.	5	Backup data error occurred.	Please contact DENSO WAVE service with error number and error message.
85400805		Data is not restored after backup data error.	5	Data is not restored after backup data error occurred.	Please contact DENSO WAVE service with error number and error message.
85400901		Abnormal voltage was detected in Power output board	5	Abnormal voltage was detected in Power output board	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400902		Failed to start output voltage from the power output board	5	Failed to start output voltage from the power output board	Please contact DENSO WAVE service with error number and error message.
85400903		Power output board controller fuse blown	5	Power output board controller fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check brake fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400904		Only one board can be installed.	5	Two or more power output boards are installed.	Install only one board. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400981		Slot1: Power output board 24VA fuse blown	5	Power output board 24VA fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
85400982		Slot2: Power output board 24VA fuse blown	5	Power output board 24VA fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400983		Slot3: Power output board 24VA fuse blown	5	Power output board 24VA fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400984		Slot4: Power output board 24VA fuse blown	5	Power output board 24VA fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400991		Slot1: Power output board 24VB fuse blown	5	Power output board 24VB fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400992		Slot2: Power output board 24VB fuse blown	5	Power output board 24VB fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
85400993		Slot3: Power output board 24VB fuse blown	5	Power output board 24VB fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
85400994		Slot4: Power output board 24VB fuse blown	5	Power output board 24VB fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009A1		Slot1: Power output board 12V fuse blown	5	Power output board 12V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009A2		Slot2: Power output board 12V fuse blown	5	Power output board 12V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009A3		Slot3: Power output board 12V fuse blown	5	Power output board 12V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
854009A4		Slot4: Power output board 12V fuse blown	5	Power output board 12V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009B1		Slot1: Power output board 5V fuse blown	5	Power output board 5V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009B2		Slot2: Power output board 5V fuse blown	5	Power output board 5V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009B3		Slot3: Power output board 5V fuse blown	5	Power output board 5V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.
854009B4		Slot4: Power output board 5V fuse blown	5	Power output board 5V fuse blown.	Check the power output board wiring and connection apparatus. Check if the input of connection apparatus in current capacity is within the limits. And check power output board fuse. If error still occurs, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
85400A00		EtherCAT board detected communication error	5	EtherCAT board detected communication error	Confirm that the EtherCAT cable is property connected. After confirmation, reboot the robot controller. If the error still occurs, Please contact DENSO WAVE service with error number and error message.
83400A01		EtherCAT board detects communication error	3	EtherCAT board detects communication error	Confirm that the EtherCAT cable is property connected.
83400A02		EtherCAT communication disconnection	3	EtherCAT communication disconnection has been detected.	Confirm the EtherCAT cable connection.
85400A03		EtherCAT board memory offset error	5	memory offset of EtherCAT board is unexpected.	请将错误编号与错误名告知本公司服务部。
83400A20		States of EtherCAT is changed from OP when the motor power is ON	3	States of EtherCAT is changed from OP when the motor power is ON.	When you turn ON motor on again, make states of EhterCAT OP.
83400A21		States of EtherCAT is NOT OP	3	You cannot turn motor ON while states of EtherCAT is NOT OP.	Make states of EhterCAT OP.
83400A22		Failed to EtherCAT acyclic communication	3	Timeout is occurred.	Confirm communication is established and execute the operation again. If the error still occurs, Please contact DENSO WAVE service with error number and error message.
84400A23		Enable-auto signal has been turned ON while motor power is ON	4	Enable-auto signal Strobe has been turned ON beyond a certain time. Therefore, system suspended the motion and turned OFF the motor power.	When you turn ON motor on again, turn ON enable-auto.
84400A24		Protective-stop signal has been turned ON while motor power is ON	4	Protective-stop signal has been turned ON beyond a certain time. Therefore, system suspended the motion and turned OFF the motor power.	When you turn ON motor on again, turn OFF protective-stop signal.
84400A25		Failed to synchronization.	4	Output cycle counter of controlword has not been incremented even after a certain time.	Increment the output cycle counter while motor power is ON. Disable slave motion sync option if you don't use output cycle counter.
84400A26		指令值缓冲区溢出。	4	传输指令值的内部缓冲区溢出。	Comfirm communication cycle of EtherCAT matches a setting value. If sync option is enabled, comfirm the output cycle counter is incrementing.
84400A27		指令值缓冲区下溢。	4	发送指令值的内部缓冲区下溢。	Comfirm communication cycle of EtherCAT matches a setting value. If sync option is enabled, comfirm the output cycle counter is incrementing.

错码	RC7 编码	信息	等级	说明	恢复处理
83400A28		Failed to EtherCAT acyclic communication	3	Error was reported from the EtherCAT slave device.	Check the input parameter.
84400A29		Failed to EtherCAT cyclic communication	4	Failed to EtherCAT cyclic communication	Please contact DENSO WAVE service with error number and error message.
83400B00		Backplane board communication error	3	Backplane board communication error	Please contact DENSO WAVE service with the error number and the error message.
83400B01		Backplane board I/O error	3	Backplane board temperature sensor communication error	Please contact DENSO WAVE service with the error number and the error message.
83400B02		Backplane board watchdog error	3	Backplane board watchdog error	Please contact DENSO WAVE service with the error number and the error message.
83404C01		J1 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C02		J2 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C03		J3 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C04		J4 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C05		J5 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C06		J6 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.

错码	RC7 编码	信息	等级	说明	恢复处理
83404C07		J7 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
83404C08		J8 alert occurred in the external joint	3	Alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C11		J1 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C12		J2 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C13		J3 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C14		J4 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C15		J5 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C16		J6 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
85404C17		J7 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.

错码	RC7 编码	信息	等级	说明	恢复处理
85404C18		J8 fatal alert occurred in the external joint	5	Fatal alert occured in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C21		J1 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C22		J2 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C23		J3 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C24		J4 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C25		J5 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C26		J6 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C27		J7 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.
80404C28		J8 warning occurred in the external joint	0	Warning occurred in the external joint.	Error code that servo amplifier appeared is stored in the original number by hexadecimal. Please refer to the manual of servo amplifier and confirm error description.

错码	RC7编码	信息	等级	说明	恢复处理
83404C31		J1 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C32		J2 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C33		J3 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C34		J4 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C35		J5 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C36		J6 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C37		J7 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
83404C38		J8 alert occurs in the external joint	3	You cannot turn motor ON while alert occurs in the external joint.	Check the cause of the alert occurs in the external joint and solve it. Clear error.
85404C41		J1 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C42		J2 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C43		J3 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.

错码	RC7编码	信息	等级	说明	恢复处理
85404C44		J4 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C45		J5 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C46		J6 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C47		J7 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C48		J8 fatal alert occurs in the external joint	5	You cannot turn motor ON while fatal alert occurs in the external joint.	Check the cause of the fatal alert occurs in the external joint and solve it. Reboot the robot controller and all EtherCAT slave devices.
85404C51		J1 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C52		J2 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C53		J3 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C54		J4 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C55		J5 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.

错码	RC7 编码	信息	等级	说明	恢复处理
85404C56		J6 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C57		J7 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C58		J8 clear error timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C61		J1 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C62		J2 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C63		J3 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C64		J4 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C65		J5 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C66		J6 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C67		J7 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C68		J8 turn motor ON timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C71		J1 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.

错码	RC7 编码	信息	等级	说明	恢复处理
85404C72		J2 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C73		J3 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C74		J4 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C75		J5 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C76		J6 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C77		J7 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C78		J8 turn motor OFF timeout	5	Timeout is occurred in the process of external joint.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C81		J1 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C82		J2 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C83		J3 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C84		J4 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C85		J5 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.

错码	RC7 编码	信息	等级	说明	恢复处理
85404C86		J6 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C87		J7 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
85404C88		J8 failed to turn motor ON	5	The status of external joint is not ready to switch on.	Confirm EtherCAT cable connection and parameter. Reboot the robot controller and all EtherCAT slave devices.
83404C91		J1 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C92		J2 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C93		J3 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C94		J4 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C95		J5 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C96		J6 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C97		J7 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404C98		J8 external joint device main power is OFF	3	You cannot turn motor ON while external joint device main power OFF.	Servo amplifier main power is OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA1		J1 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.

错码	RC7 编码	信息	等级	说明	恢复处理
83404CA2		J2 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA3		J3 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA4		J4 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA5		J5 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA6		J6 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA7		J7 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CA8		J8 external joint device main power has been turned OFF	3	External joint device main power has been turned OFF.	Servo amplifier main power has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB1		J1 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB2		J2 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB3		J3 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB4		J4 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB5		J5 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.

错码	RC7编码	信息	等级	说明	恢复处理
83404CB6		J6 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB7		J7 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CB8		J8 external joint device motor has been turned OFF	3	External joint device motor has been turned OFF.	Servo amplifier motor has been turned OFF. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC1		J1 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC2		J2 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC3		J3 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC4		J4 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC5		J5 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC6		J6 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC7		J7 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
83404CC8		J8 external joint device quick stopped	3	The status of external joint changed in quick stop active.	Servo amplifier quick stopped. Please confirm signals such as emergency-stop input connected to servo amplifier.
85404CD1		J1 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
85404CD2		J2 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD3		J3 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD4		J4 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD5		J5 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD6		J6 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD7		J7 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404CD8		J8 unexpected external joint device statusword	5	External joint device statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
83404CE1		J1 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE2		J2 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE3		J3 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE4		J4 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE5		J5 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE6		J6 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE7		J7 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
83404CE8		J8 homing error occurred.	3	Homing error occurred in the process of external joint.	Please refer to the manual of servo amplifier and remove the cause of the error and try again.
85404D01		J1 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.

错码	RC7 编码	信息	等级	说明	恢复处理
85404D02		J2 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D03		J3 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D04		J4 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D05		J5 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D06		J6 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D07		J7 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
85404D08		J8 position actual value is out of robot motion range	5	Position actual value is out of robot motion range.	Turn OFF the robot controller and move the robot in the robot motion range. When brake is locked, disable slave motion, release brakes and move the robot in the robot motion range.
83404D11		J1 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D12		J2 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D13		J3 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D14		J4 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.

错码	RC7 编码	信息	等级	说明	恢复处理
83404D15		J5 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D16		J6 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D17		J7 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
83404D18		J8 target position is out of robot motion range	3	Target position is out of robot motion range.	The robot cannot move to this direction anymore. Operate the robot to the opposite direction.
84404D21		J1 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D22		J2 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D23		J3 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D24		J4 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D25		J5 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D26		J6 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D27		J7 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
84404D28		J8 alert occurs in the servo amplifier	4	You cannot turn motor ON while alert occurs in the servo amplifier.	Check the cause of the alert occurs in the servo amplifier and solve it.
85404D31		J1 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D32		J2 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D33		J3 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D34		J4 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D35		J5 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D36		J6 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85404D37		J7 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
85404D38		J8 unexpected servo amplifier status	5	Statusword is unexpected value.	请将错误编号与错误名告知本公司服务部。
83404D41		J1 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D42		J2 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D43		J3 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D44		J4 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D45		J5 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D46		J6 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D47		J7 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
83404D48		J8 Main power has been turned OFF	3	The motor was turned off because the servo amplifier detected STO	Servo amplifier main power has been turned OFF. If no other error has occurred, please contact DENSO WAVE service with error number and error message.
85400C00		Servo MCU version mismatch	5	Servo MCU version mismatch	Please execute the MCU version up.
85400C01		Safety MCU version mismatch	5	Safety MCU version mismatch	请将错误编号与错误名告知本公司服务部。
85400C02		Reboot the robot controller to complete version up of MCU	5	Reboot the robot controller to complete version up of microcomputer	Reboot the robot controller.
85400C03		Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85400C80		Hand:Error raised. Please refer to original code and manual of hand for details.	5	An error in the hand is detected. The error code notified from the hand is described in the original code.	Refer to the hand manual and perform recovery procedure corresponding to the hand error code described in the original code.
84400C81		Hand:Error raised. Please refer to original code and manual of hand for details.	4	An error in the hand is detected. The error code notified from the hand is described in the original code.	Refer to the hand manual and perform recovery procedure corresponding to the hand error code described in the original code.
83400C82		Hand:Error raised. Please refer to original code and manual of hand for details.	3	An error in the hand is detected. The error code notified from the hand is described in the original code.	Refer to the hand manual and perform recovery procedure corresponding to the hand error code described in the original code.
82400C83		Hand:Error raised. Please refer to original code and manual of hand for details.	2	An error in the hand is detected. The error code notified from the hand is described in the original code.	Refer to the hand manual and perform recovery procedure corresponding to the hand error code described in the original code.
85405001		J1:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405002		J2:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405003		J3:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405004		J4:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405005		J5:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405006		J6:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405007		J7:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405008		J8:Data flash 1 is blank	5	Data flash 1 is blank.	请将错误编号与错误名告知本公司服务部。
85405011		J1:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405012		J2:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405013		J3:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405014		J4:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405015		J5:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405016		J6:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405017		J7:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405018		J8:Data flash 2 is blank	5	Data flash 2 is blank.	请将错误编号与错误名告知本公司服务部。
85405021		J1:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85405022		J2:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405023		J3:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405024		J4:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405025		J5:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405026		J6:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405027		J7:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405028		J8:Invalid joint number	5	Invalid joint number.	请将错误编号与错误名告知本公司服务部。
85405101		J1:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405102		J2:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405103		J3:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405104		J4:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405105		J5:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405106		J6:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405107		J7:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
85405108		J8:CAN initialize error	5	Failed to initialize CAN communication.	请将错误编号与错误名告知本公司服务部。
84405401		J1:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405402		J2:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405403		J3:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405404		J4:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405405		J5:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405406		J6:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405407		J7:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。
84405408		J8:CAN communication error	4	CAN communication error is detected.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
84405501		J1:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405502		J2:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405503		J3:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405504		J4:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
84405505		J5:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405506		J6:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405507		J7:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.
84405508		J8:Bus voltage failure	4	Motor bus undervoltage was detected during motor-on state.	Check that the safety monitoring processor detects any error. If an error has been detected, clear the error and retry. Also, it may occur when disconnection is detected by communication with TP. If the error still remains after this procedure, please contact DENSO WAVE service with error number and error message.

错码	RC7编码	信息	等级	说明	恢复处理
84405601		J1:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405602		J2:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405603		J3:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405604		J4:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405605		J5:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405606		J6:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405607		J7:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
84405608		J8:Reveice timeout	4	Receive timeout.	请将错误编号与错误名告知本公司服务部。
85405C01		J1:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C02		J2:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C03		J3:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C04		J4:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C05		J5:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C06		J6:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C07		J7:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
85405C08		J8:Acceleration sensor initialization error	5	Acceleration sensor initialization error.	请将错误编号与错误名告知本公司服务部。
84405F01		J1:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F02		J2:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F03		J3:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F04		J4:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
84405F05		J5:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F06		J6:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F07		J7:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
84405F08		J8:Control MCU communication error	4	Failed to communicate to the control MCU.	请将错误编号与错误名告知本公司服务部。
85405FB1		J1:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB2		J2:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB3		J3:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB4		J4:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB5		J5:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB6		J6:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB7		J7:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FB8		J8:Failed to query control MCU about error detail	5	Failed to query the control MCU about error detail.	请将错误编号与错误名告知本公司服务部。
85405FC1		J1:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC2		J2:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC3		J3:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC4		J4:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC5		J5:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC6		J6:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC7		J7:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FC8		J8:Initialization error	5	Initialization of the control MCU is not completed.	请将错误编号与错误名告知本公司服务部。
85405FD1		J1:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85405FD2		J2:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD3		J3:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD4		J4:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD5		J5:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD6		J6:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD7		J7:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FD8		J8:Unexpected error	5	Error occurs, but cannot acquire error details.	请将错误编号与错误名告知本公司服务部。
85405FE1		J1:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE2		J2:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE3		J3:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE4		J4:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE5		J5:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE6		J6:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE7		J7:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
85405FE8		J8:Unsupported error	5	Unexpected error detail information is received.	请将错误编号与错误名告知本公司服务部。
84405FF1		J1:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF2		J2:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF3		J3:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF4		J4:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF5		J5:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF6		J6:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF7		J7:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
84405FF8		J8:Motor off	4	Microcomputer turn OFF motor.	请将错误编号与错误名告知本公司服务部。
85401000		内部错误 1。	5	在伺服模块内部发生未预期错误。	请将错误编号与错误名告知本公司服务部。
85401001		内部错误 2。	5	在伺服模块内部发生未预期错误。	请将错误编号与错误名告知本公司服务部。
85401002		内部错误 3。	5	在伺服模块内部发生未预期错误。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
85402000	6607	伺服参数非法。(1)	5	已指定错误的伺服参数。	请确认参数。
85402001	6607	编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85402002	6607	编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85402003	6607	激励器单元设定非法。(1)	5	已指定错误的激励器单元设定。	请确认参数。
85402004	6607	制动器设定非法。(1)	5	已指定错误的制动器设定。	请确认参数。
85402005	6607	紧急停止设定非法。(1)	5	已指定错误的紧急停止设定。	请确认参数。
85402006	6607	紧急停止设定非法。(2)	5	已指定错误的紧急停止设定。	请确认参数。
85402007	6607	Invalid slot number setting	5	Same slot number setting is specified for some joints. When robot controller is dual arm control configuration, same slot number may be specified for master robot and slave robot.	Check the slot number.
85406001		1 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406002		2 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406003		3 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406004		4 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406005		5 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406006		6 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406007		7 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406008		8 轴:伺服参数非法。(2)	5	已指定错误的伺服参数。	请确认参数。
85406011		1 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406012		2 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406013		3 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406014		4 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406015		5 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406016		6 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406017		7 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。
85406018		8 轴:电机设定非法。(1)	5	已指定错误的电机设定。	请确认参数。

错码	RC7 编码	信息	等级	说明	恢复处理
85406021		1 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406022		2 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406023		3 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406024		4 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406025		5 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406026		6 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406027		7 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406028		8 轴:制动器设定非法。(2)	5	已指定错误的制动器设定。	请确认参数。
85406031		1 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406032		2 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406033		3 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406034		4 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406035		5 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406036		6 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406037		7 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406038		8 轴:制动器设定非法。(3)	5	已指定错误的制动器设定。	请确认参数。
85406041		组 1:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406042		组 2:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406043		组 3:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406044		组 4:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406045		组 5:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406046		组 6:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406047		组 7:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406048		组 8:制动器设定非法。(4)	5	已指定错误的制动器设定。	请确认参数。
85406051		1 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406052		2 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。

错码	RC7 编码	信息	等级	说明	恢复处理
85406053		3 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406054		4 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406055		5 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406056		6 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406057		7 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406058		8 轴:制动器设定非法。(5)	5	已指定错误的制动器设定。	请确认参数。
85406061		1 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406062		2 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406063		3 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406064		4 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406065		5 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406066		6 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406067		7 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406068		8 轴:编码器设定非法。(1)	5	已指定错误的编码器设定。	请确认参数。
85406071		1 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406072		2 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406073		3 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406074		4 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406075		5 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406076		6 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406077		7 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406078		8 轴:编码器 ID 设定非法。	5	已指定错误的编码器设定。	请确认参数。
85406081		ID1:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406082		ID2:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406083		ID3:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406084		ID4:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。

错码	RC7 编码	信息	等级	说明	恢复处理
85406085		ID5:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406086		ID6:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406087		ID7:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406088		ID8:编码器 ID 重复。	5	已指定错误的编码器设定。	请确认参数。
85406091		1 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406092		2 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406093		3 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406094		4 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406095		5 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406096		6 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406097		7 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
85406098		8 轴:编码器设定非法。(2)	5	已指定错误的编码器设定。	请确认参数。
854060A1		1 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A2		2 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A3		3 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A4		4 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A5		5 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A6		6 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A7		7 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060A8		8 轴:编码器设定非法。(3)	5	已指定错误的编码器设定。	请确认参数。
854060B1		1 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B2		2 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B3		3 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B4		4 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B5		5 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B6		6 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。

错码	RC7 编码	信息	等级	说明	恢复处理
854060B7		7 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060B8		8 轴:激励器单元设定非法。(2)	5	已指定错误的激励器单元设定。	请确认参数。
854060C1		1 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C2		2 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C3		3 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C4		4 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C5		5 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C6		6 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C7		7 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060C8		8 轴:激励器单元设定非法。(3)	5	已指定错误的激励器单元设定。	请确认参数。
854060D1		1 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D2		2 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D3		3 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D4		4 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D5		5 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D6		6 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D7		7 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060D8		8 轴:激励器单元设定非法。(4)	5	已指定错误的激励器单元设定。	请确认参数。
854060E1		1 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E2		2 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E3		3 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E4		4 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E5		5 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E6		6 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E7		7 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。
854060E8		8 轴:电机设定非法。(2)	5	已指定错误的电机设定。	请确认参数。

错码	RC7编码	信息	等级	说明	恢复处理
854060F1		1 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F2		2 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F3		3 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F4		4 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F5		5 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F6		6 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F7		7 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
854060F8		8 轴:电机设定非法。(3)	5	已指定错误的电机设定。	请确认参数。
85406101		1 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406102		2 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406103		3 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406104		4 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406105		5 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406106		6 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406107		7 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406108		8 轴:电机设定非法。(4)	5	已指定错误的电机设定。	请确认参数。
85406111		1 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406112		2 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406113		3 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406114		4 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406115		5 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406116		6 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406117		7 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406118		8 轴:机器人控制器设定非法。	5	已指定错误的机器人控制器设定。	请确认参数。
85406121		1 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。

错码	RC7编码	信息	等级	说明	恢复处理
85406122		2 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406123		3 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406124		4 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406125		5 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406126		6 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406127		7 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406128		8 轴:机器人控制器限制值设定非法。	5	已指定错误的限制值设定。	请确认参数。
85406131		1 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406132		2 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406133		3 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406134		4 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406135		5 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406136		6 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406137		7 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406138		8 轴:电流控制设定非法。	5	已指定错误的电流控制设定。	请确认参数。
85406141		1 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406142		2 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406143		3 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406144		4 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406145		5 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406146		6 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。

错码	RC7 编码	信息	等级	说明	恢复处理
85406147		7 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406148		8 轴:过滤器参数运算错误。(1)	5	已指定错误的过滤器设定。	请确认参数。
85406151		1 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406152		2 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406153		3 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406154		4 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406155		5 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406156		6 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406157		7 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
85406158		8 轴:过滤器参数运算错误。(2)	5	已指定错误的过滤器设定。	请确认参数。
81201001		监控器超时。	1	System has not been responded in a predetermined period. TSR task stops although the error level is 1.	Programs block the system process. Execute one of the following to process the System; - reduce the number of simultaneously-running program - insert delay statement to the program - lower the program priority - reduce the time-consuming process such as image processing
85201002		正在安装新设备的激励器。请等候，直至结束。	5	正在安装新设备的激励器。请等候，直至结束。	正在安装激励器。请耐心等候，不要操作教导器。
85201003		新设备安装激励器完毕。请按"OK"并关机。	5	新设备安装激励器完毕。请按"OK"并关机。	按下 OK 按钮，关机。在显示关机完毕画面之前，请不要关闭电源。
83201004		指定了无效的机器人控制器 ID。	3	无法预测的错误。指定的机器人控制器 ID 超出范围。	请将错误编号与错误名告知本公司服务部。
83201005		指定了无效的时标。	3	无法预测的错误。时标设定超出范围的值。	请将错误编号与错误名告知本公司服务部。
83201006		超出机器人控制器的最大登录数。	3	超出机器人控制器的最大登录数。	已无法继续登录机器人控制器。请先结束其他机器人控制器，然后重新进行登录操作。
83201007		机器人控制器切换模式失败。	3	控制器的模式切换失败。	请重新切换动作模式。如情况未得到改善，有可能是硬件出现故障，届时请联络弊司客户服务部门。

错码	RC7 编码	信息	等级	说明	恢复处理
83201008		电机 ON/OFF 切换失败。	3	电机 ON/OFF 切换失败。	请重新打开/关闭电机。如情况未得到改善，有可能是硬件出现故障，届时请联络弊司客户服务部门。
83201009		所有机器人控制器的电机 ON/OFF 状态不一致。	3	当前连接的所有机器人控制器的电机 ON/OFF 状态不一致。	可能是控制器之间的连接不良。请确认控制器之间的连接情况。如情况未得到改善，有可能是硬件出现故障，届时请联络弊司客户服务部门。
8120100a		报告 1 级异常。	1	可以考虑以下原因。	请将错误编号与错误名告知本公司服务部。
8220100b		报告 2 级异常。	2	可以考虑以下原因。	请将错误编号与错误名告知本公司服务部。
8320100c		报告 3 级异常。	3	可以考虑以下原因。	请将错误编号与错误名告知本公司服务部。
8420100d		报告 4 级异常。	4	可以考虑以下原因。	请将错误编号与错误名告知本公司服务部。
8520100e		报告 5 级异常。	5	可以考虑以下原因。工序停止。	请将错误编号与错误名告知本公司服务部。
8520100f		未找到新设备的激励器。	5	未找到新设备的激励器。	如果安装了不受支持的扩展设备，请拆掉该设备。如果不是，请将错误编号和错误名称告知弊司客户服务部门。
85201010		Unknown USB device has been detected.	5	Unknown USB device has been detected.	If unsupported USB device is connected, remove the device. Alternatively, I can be considered contacts of the connector. If not, please contact DENSO WAVE service.
85201011		Installation of new devices will continue after reboot. Press ″OK″ and wait until it is fully shut down.	5	Installation of new devices will continue after reboot. Press ″OK″ and wait until it is fully shut down.	Press OK to shutdown the controller. Do not turn OFF the controller power before shutdown completion screen appears. If the problem still occurs, hardware malfunction might be possible. Please contact DENSO WAVE service.
85201012		The interrupt process was delayed.	5	CPU load increased and the interrupt process was delayed.	Please contact DENSO WAVE service with error number and error message.
80201013		报告 0 级异常。	0	可以考虑以下原因。	Please contact DENSO WAVE service with error number and error message.
83201081		系统的参数设定失败。	3	设定系统参数时，检测出设定值异常。	请将错误编号与错误名告知本公司服务部。
83201082	60D2	负载质量设定非法。	3	负载质量、重心位置及惯量设定的设定值存在问题。	可能设定了允许范围以外的设定值。请修改设定值。

错码	RC7 编码	信息	等级	说明	恢复处理
85201083		参数数据库读取失败。	5	保存系统启动参数的数据库发生异常。	可能向机器人控制器发送了版本不符的项目。请用 WINCAPS 重新生成项目。
85201084		通用参数数据库读取失败。	5	保存系统启动参数的数据库发生异常。	可能向机器人控制器发送了版本不符的项目。请用 WINCAPS 重新生成项目。
85201085		参数数据库的文件路径非法。	5	无法预测的错误。调用了无效的文件路径。	请将错误编号与错误名告知本公司服务部。
85201086		打开参数数据库失败。	5	保存系统启动参数的数据库发生异常。	当前的项目文件可能损坏。请建立该项目文件的备份，联络弊司客户服务部门。
83201087		该数据库表格编号无效。	3	无法预测的错误。试图调用超出系统参数范围的区域。	请将错误编号与错误名告知本公司服务部。
83201088		参数检查未发挥作用。	3	无法预测的错误。系统参数的变更前检查未发挥作用。	请将错误编号与错误名告知本公司服务部。
83201089		已超出系统参数的访问范围。	3	无法预测的错误。试图调用超出系统参数范围的区域。	请将错误编号与错误名告知本公司服务部。
8520108a		与程序库的连接失败。	5	无法预测的错误。与程序库的连接失败。	请将错误编号与错误名告知本公司服务部。
8520108b		发现不符合参数数据库的大小。	5	保存系统启动参数的数据库发生异常。	可能向控制器发送了版本不符的项目。请用 WINCAPS 重新生成项目。
8520108c		分配系统参数的内存失败。	5	无法预测的错误。分配系统参数的内存失败。	请将错误编号与错误名告知本公司服务部。
8320108d		动作范围的设定非法。	3	软件限制的设定值存在问题。	可能正方向的软件限制比负方向的软件限制设定的值小。请修改设定值。
8520108e		发现与参数数据库不匹配。	5	保存在数据库中的参数发生不匹配。	可能向机器人控制器发送了版本不符的项目。请用 WINCAPS 重新生成项目。如果重新生成的项目仍然报错，可能是项目文件本身损坏。请建立该项目文件的备份，联络弊司客户服务部门。
8320108F		指定的电机类型不存在。	3	指定的电机种类存在问题。	请修改指定的电机种类。
83201091		设定的系统参数值超出范围。	3	设定的系统参数值超出范围。	请将错误编号与错误名告知本公司服务部。
83201092		重新读取系统参数失败。	3	无法预测的错误。重新读取系统参数失败。	请将错误编号与错误名告知本公司服务部。
83201093		电机参数数据库读取失败。	3	保存电机参数的数据库发生异常。	该项目的电机参数非法。请用 WINCAPS 重新生成项目。

错码	RC7 编码	信息	等级	说明	恢复处理
83201094		无法使用可与 RC7 互换的机器人模型参数。	3	因未设定 RC7 可互换机器人模型参数，所以无法使用 RC7 可互换机器人模型参数。	当未设定 RC7 可互换机器人模型参数时，标准机器人类型参数将作为 RC7 可互换机器人模型参数使用。 请关闭机器人模型参数 RC7 可互换模式。
83201095		Disable extended-joints property.	3	区域设置无效，禁用该区域。	You can't activate the extended-joint. Motor type for the extended-joint might be unspecified. Revise the extended-joints setting.
83201096		Invalid force sensor payload parameter	3	负载质量、重心位置及惯量设定的设定值存在问题。	可能设定了允许范围以外的设定值。请修改设定值。
83201101		试图访问不存在的 I/O 设备。	3	无法预测的错误。试图访问不存在的 I/O 设备。	请将错误编号与错误名告知本公司服务部。
83201102		试图向非输出存储域的 I/O 输出。	3	无法预测的错误。试图向非输出存储域的 I/O 输出。	请将错误编号与错误名告知本公司服务部。
83201103		I/O 监控编号无效。	3	无法预测的错误。试图检查超出范围的 I/O 编号状态。	请将错误编号与错误名告知本公司服务部。
83201104		不支持的 I/O 设备。	3	无法预测的错误。不支持的 I/O 设备。	请将错误编号与错误名告知本公司服务部。
83201105		试图参照超出范围的 I/O 编号。	3	无法预测的错误。试图参照超出范围的 I/O 编号。	请将错误编号与错误名告知本公司服务部。
85201106		I/O 对象的内存分配失败。	5	无法预测的错误。I/O 设备初始化时内存分配失败。	请将错误编号与错误名告知本公司服务部。
83201201		试图参照未执行的参数。	3	无法预测的错误。系统试图参照未安装的参数。	请将错误编号与错误名告知本公司服务部。
83201202		外部移动速度无效。	3	外部移动速度设定了超出范围的值。	设定值的范围为：0.1 ～ 100。请修改设定值。
83201203		外部加速度无效。	3	外部加速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100。请修改设定值。
83201204		外部减速度无效。	3	外部减速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100.0。请修改设定值。
83201205		变速类型无效。	3	无法预测的错误。指定的速度变换模式未安装。	请将错误编号与错误名告知本公司服务部。
82201206		动作速度的优化设置切换失败。	2	系统参数出现异常，动作速度优化设置的切换中止。	请将错误编号与错误名告知本公司服务部。
82201207		无法变更动作速度的优化设置。	2	在运行及暂停运行过程中，禁止切换动作速度的优化设置。	请在动作完全结束后重新运行。如有暂停中的程序，请先复位该程序，然后重新运行。

错码	RC7 编码	信息	等级	说明	恢复处理
81201208		DETECT 指令的位置存放大小无效。	1	无法预测的错误。Detect 指令的检测位置保存数量设定了超出范围的值。	请将错误编号与错误名告知本公司服务部。
81201209		DETECT 指令的 I/O 编号无效。	1	无法预测的错误。Detect 指令的监控对象 I/O 编号设定了超出范围的值。	请将错误编号与错误名告知本公司服务部。
8120120a		DETECT 指令的位置存放索引无效。	1	无法预测的错误。保存 Detect 指令检测位置的变量索引设定了超出范围的值。	请将错误编号与错误名告知本公司服务部。
8520120b		机器人控制器的规格异常。	5	无安全 I/O 规格机器人控制器设定了标准项目。	请通过 WINCAPS 发送无安全 I/O 规格的项目。
8520120c		由于初始化发生异常，导致内部处理中断。	5	发生致命错误，内部处理中断。	请确认发生致命性错误的原因。
8220120d		加速模式无效。	2	指定的加速模式不存在。	请确认加速模式的指定索引值。
8520120e		机器人控制器的规格异常。	5	标准机器人控制器设定了无安全 I/O 规格的项目。	请通过 WINCAPS 发送标准项目。
8220120f		在机器动作过程中无法更换手动操作模式。	2	在运行过程中，禁止切换手动运行模式。	请在动作完全结束后重新运行。
81201211		MotionSkip 模式无效。	1	指定的 MotionSkip 模式不存在。	请确认 MotionSkip 模式。
81201212		DETECT 指令无法使用指定的 I/O 编号。	1	当前系统处于锁定状态，DETECT 指令无法使用指定的 I/O 编号。	请指定其他的 I/O 编号。
81201213		I/O state is not changed.	1	I/O state has not changed.	Revise the I/O setting.
83201281	2490	工具前端与区域 0 发生干涉。	3	工具前端与区域 0 发生干涉。	请确认工具前端是否位于预期的位置。
83201282	2491	工具前端与区域 1 发生干涉。	3	工具前端与区域 1 发生干涉。	请确认工具前端是否位于预期的位置。
83201283	2492	工具前端与区域 2 发生干涉。	3	工具前端与区域 2 发生干涉。	请确认工具前端是否位于预期的位置。
83201284	2493	工具前端与区域 3 发生干涉。	3	工具前端与区域 3 发生干涉。	请确认工具前端是否位于预期的位置。
83201285	2494	工具前端与区域 4 发生干涉。	3	工具前端与区域 4 发生干涉。	请确认工具前端是否位于预期的位置。
83201286	2495	工具前端与区域 5 发生干涉。	3	工具前端与区域 5 发生干涉。	请确认工具前端是否位于预期的位置。
83201287	2496	工具前端与区域 6 发生干涉。	3	工具前端与区域 6 发生干涉。	请确认工具前端是否位于预期的位置。
83201288	2497	工具前端与区域 7 发生干涉。	3	工具前端与区域 7 发生干涉。	请确认工具前端是否位于预期的位置。
83201289	2498	工具前端与区域 8 发生干涉。	3	工具前端与区域 8 发生干涉。	请确认工具前端是否位于预期的位置。

错码	RC7 编码	信息	等级	说明	恢复处理
8320128a	2499	工具前端与区域 9 发生干涉。	3	工具前端与区域 9 发生干涉。	请确认工具前端是否位于预期的位置。
8320128b	249a	工具前端与区域 10 发生干涉。	3	工具前端与区域 10 发生干涉。	请确认工具前端是否位于预期的位置。
8320128c	249b	工具前端与区域 11 发生干涉。	3	工具前端与区域 11 发生干涉。	请确认工具前端是否位于预期的位置。
8320128d	249c	工具前端与区域 12 发生干涉。	3	工具前端与区域 12 发生干涉。	请确认工具前端是否位于预期的位置。
8320128e	249d	工具前端与区域 13 发生干涉。	3	工具前端与区域 13 发生干涉。	请确认工具前端是否位于预期的位置。
8320128f	249e	工具前端与区域 14 发生干涉。	3	工具前端与区域 14 发生干涉。	请确认工具前端是否位于预期的位置。
83201290	249f	工具前端与区域 15 发生干涉。	3	工具前端与区域 15 发生干涉。	请确认工具前端是否位于预期的位置。
83201291	24a0	工具前端与区域 16 发生干涉。	3	工具前端与区域 16 发生干涉。	请确认工具前端是否位于预期的位置。
83201292	24a1	工具前端与区域 17 发生干涉。	3	工具前端与区域 17 发生干涉。	请确认工具前端是否位于预期的位置。
83201293	24a2	工具前端与区域 18 发生干涉。	3	工具前端与区域 18 发生干涉。	请确认工具前端是否位于预期的位置。
83201294	24a3	工具前端与区域 19 发生干涉。	3	工具前端与区域 19 发生干涉。	请确认工具前端是否位于预期的位置。
83201295	24a4	工具前端与区域 20 发生干涉。	3	工具前端与区域 20 发生干涉。	请确认工具前端是否位于预期的位置。
83201296	24a5	工具前端与区域 21 发生干涉。	3	工具前端与区域 21 发生干涉。	请确认工具前端是否位于预期的位置。
83201297	24a6	工具前端与区域 22 发生干涉。	3	工具前端与区域 22 发生干涉。	请确认工具前端是否位于预期的位置。
83201298	24a7	工具前端与区域 23 发生干涉。	3	工具前端与区域 23 发生干涉。	请确认工具前端是否位于预期的位置。
83201299	24a8	工具前端与区域 24 发生干涉。	3	工具前端与区域 24 发生干涉。	请确认工具前端是否位于预期的位置。
8320129a	24a9	工具前端与区域 25 发生干涉。	3	工具前端与区域 25 发生干涉。	请确认工具前端是否位于预期的位置。
8320129b	24b0	工具前端与区域 26 发生干涉。	3	工具前端与区域 26 发生干涉。	请确认工具前端是否位于预期的位置。
8320129c	24b1	工具前端与区域 27 发生干涉。	3	工具前端与区域 27 发生干涉。	请确认工具前端是否位于预期的位置。
8320129d	24b2	工具前端与区域 28 发生干涉。	3	工具前端与区域 28 发生干涉。	请确认工具前端是否位于预期的位置。
8320129e	24b3	工具前端与区域 29 发生干涉。	3	工具前端与区域 29 发生干涉。	请确认工具前端是否位于预期的位置。
8320129f	24b4	工具前端与区域 30 发生干涉。	3	工具前端与区域 30 发生干涉。	请确认工具前端是否位于预期的位置。
832012a0	24b5	工具前端与区域 31 发生干涉。	3	工具前端与区域 31 发生干涉。	请确认工具前端是否位于预期的位置。
832012f8		区域有效/无效设置无效。	3	该指定值无法设定区域的有效/无效。	请确认设定区域有效/无效的值。
832012f9		将区域设为无效。	3	区域设置无效，禁用该区域。	未能设定区域有效。请重新修改区域的设定。

错码	RC7 编码	信息	等级	说明	恢复处理
832012fa		超出可设定的区域数范围。	3	试图超出可设置区域的数量上限启用区域。	Failed to enable area monitoring. Revise the area setting. The maximum number of area monitoring differs depending on each monitoring interval. Set the number of area monitoring less than or equal to the maximum monitoring number for the monitoring interval.
832012fb		错误检测设置无效。	3	指定值超出错误检测设定范围。	请确认错误检测范围的值。
832012fc		区域编号无效。	3	指定编号的区域不存在。	请确认区域编号的指定索引值。
832012fd		区域监控周期无效。	3	所指定监控周期不支持区域的监控。	请确认区域监控周期的值。 必须和其他区域的监控周期保持一致。
832012fe		姿势检测范围无效。	3	指定值超出姿势检测有效范围。	请确认姿势检测范围的值。
832012ff		轴检测范围无效。	3	指定值超出轴检测有效范围。	请确认轴检测范围的值。
83201301		获取机械臂控制权失败。	3	无法预测的错误。获取机械臂控制权失败。	请将错误编号与错误名告知本公司服务部。
85201302		由于初始化发生异常，导致内部处理中断。	5	发生致命错误，内部处理中断。	请确认发生致命性错误的原因。
83201381		旋转平面类型无效。	3	无法预测的错误。执行 Rotate 指令时，指定了无效的旋转平面。	请将错误编号与错误名告知本公司服务部。
83201382		内部移动速度无效。	3	内部移动速度设定了超出范围的值。	设定值的范围为：0.1 ～ 100。请修改设定值。
83201383		内部加速度无效。	3	内部加速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100。请修改设定值。
83201384		内部减速度无效。	3	内部减速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100。请修改设定值。
83201385		内部轴速度无效。	3	内部轴速度设定了超出范围的值。	设定值的范围为：0.1 ～ 100。请修改设定值。
83201386		内部轴加速度无效。	3	内部轴加速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100。请修改设定值。
83201387		内部轴减速度无效。	3	内部轴减速度设定了超出范围的值。	设定值的范围为：0.0001 ～ 100。请修改设定值。
83201388		动作比例无效。	3	用 Arrive 指令指定的“针对移动距离全长的动作比例”设定了超出范围的值。	设定值的范围为：0～100，但无法设定 0。请修改设定值。
83201389		指定了无效的弧形动作开始位置	3	ArchMove 指令的弧形起始位置指定了超出范围的值。	设定值的范围为：0 ～ 弧形高度。请修改设定。

错码	RC7编码	信息	等级	说明	恢复处理
8020138a		无法生成圆弧轨道，切换为直线插补动作。	0	在执行圆弧插补指令时，由于设定了无法形成圆弧轨道的目标点（起始点、通过点、目标点存在于同一直线等），因此将直接切换为从起始位置到目标位置的直线插补，并完成动作。	如果直线插补的动作为未预期动作，请修改所指定通过点和目标点的设置情况。
8020138b		无法生成样条轨道，切换为直线插补动作。	0	若在执行样条插补时指定了无效的通过点，则直接切换为从起始位置到目标位置的直线插补，并完成动作。	如果直线插补的动作为未预期动作，请修改所指定通过点的设置情况。
8520138c		由于初始化发生异常，导致内部处理中断。	5	发生致命错误，内部处理中断。	请确认发生致命性错误的原因。
8320138d		Circular trajectory cannot be generated	3	The circular trajectory is linear motion not to pass passing point because start point, passing point and end point is on the same line and passing point is not between start point and end point.	Revise the pass point and end point.
8020138e		Spline interpolation motion was completed.	0	Spline interpolation motion was completed.	Spline interpolation motion was completed.
83201401	607F	形态不一致。	3	动作起始位置的机器人形态与动作目标位置的机器人形态不一致。	由于机器人的姿势急剧变化，因此无法移动至动作开始位置和不同机器人形态的动作目标位置。请变更动作开始位置或动作目标位置的机器人形态。
83201402		动作缓冲区溢出。	3	无法预测的错误。系统的运动缓冲区溢出。	请将错误编号与错误名告知本公司服务部。
81201403		在指定的移动时间无法实现动作。	1	指定的动作时间短于动作实际所需时间，无法执行动作。	请指定长于当前设定值的时间。
83201404	73FF	机器人处于停止过程中。	3	该操作无法在机器人停止过程中执行。	请在机器人完全停止运行后执行。
83201405		指令值无效。	3	无法预测的错误。生成了异常的指令值，处理中止。	请将错误编号与错误名告知本公司服务部。
83201406		试图参照未执行的参数。	3	无法预测的错误。系统试图参照未安装的参数。	请将错误编号与错误名告知本公司服务部。
81201407		指定的手指速度模式未安装。	1	无法预测的错误。手指速度模式设定了未安装的值。	请将错误编号与错误名告知本公司服务部。
81201408		动作指令的选件自变量设定了非法值。	1	动作指令的选件自变量设定了非法值。	请确认动作指令的可选性自变量。

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83201409		当前设定的动作受到禁止。	3	无法预测的错误。试图运用禁用的设置发布动作指令。	请将错误编号与错误名告知本公司服务部。
8420140a		参照了无效的动作对象。	4	无法预测的错误。试图参照实际不存在的动作对象。	请将错误编号与错误名告知本公司服务部。
8320140b		设定了无效的路径点。	3	设定了无法在轨道上动作的中间点。	请确认设定过的通过点是否存在问题。
8520140c		动作对象的内存分配失败。	5	无法预测的错误。系统初始化时，动作对象内存分配失败。	请将错误编号与错误名告知本公司服务部。
8120140d		路径编号指定了超出范围值。	1	路径编号设定了超出范围值。	设定值的范围为:1 ～ 20。请修改设定值。
8120140e		指定的路径不存在。	1	在路径上未指定任何一个中间点。	请在路径上设定中间点之后运行。
8020140f		将机器人轴以外的动作变更为通过动作。	0	当机器人轴以外的动作指定通过起始位移时，将无视该设定值变更为通过动作。	当机器人轴以外的动作指定通过起始位移时，将无视该设定值变更为通过动作。
83201411		不支持指定的插补类型。	3	无法预测的错误。指定插补方法无法离线生成轨道。	请将错误编号与错误名告知本公司服务部。
83201412		停止位置与动作开始位置不一致。	3	暂停时的停止位置和连续开始时的起始位置完全不一致，为了安全停止了连续开始。暂停运行后，在手动模式下运行机器人，然后返回自动模式启动连续开始时，可能会发生这种情况。	通过调大各轴停止时允许角度的值，即可调整发生错误时的临界值。
83201413		指定的路径当前处于锁定状态。	3	当前系统处于锁定状态，指定编号的路径无法操作及变更。	请在完成机器人的动作后，执行路径的编辑和操作。
84201414		手指指令速度过快。	4	已按照安全标准(ISO10218-1)对手指速度设定了速度限制，但现在生成了因未能成功减速而超出速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度。
84201415		手指指令速度过快。	4	已按照安全标准(ISO10218-1)对手指速度设定了速度限制，但现在生成了因未能成功减速而超出速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度。

错码	RC7 编码	信息	等级	说明	恢复处理
84201416		动作时间的同步处理失败。	4	无法预测的错误。在同步处理动作时间时发生错误。	请将错误编号与错误名告知本公司服务部。
81201417		路径点编号指定了超出范围值。	1	通过点编号设定了超出范围值。	设定值的范围为:1 ～[通过点登录数]。请修改设定值。
80201418		位于特异点附近。	0	正在通过特异点附近。可能会引起各轴的急剧变化。	如发生问题，请设定特异点回避功能有效，或者修改动作目标位置和插补方法。
82201419		指定路径当前受到保护。	2	当前系统处于保护状态，指定编号的路径无法操作及变更。	请在变更路径的保护设置后，执行编辑和操作。
8320141a		前端位置确认动作超时。	3	在某段时间内，手指位置未能到达目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
8220141b		超出路径点的最大登录数。	2	超出通过点的最大登录数。	已无法继续登录通过点。请修改设定值。
8220141c		未生成轨道。	2	无法预测的错误。指定编号的轨道尚未生成。	请将错误编号与错误名告知本公司服务部。
8120141d		需要分割路径。	1	指定了在同一位置仅变化姿势的点。	请在同一位置，仅姿势发生变化的点的前后分割路径。
8120141e		Tracking canceled	1	Tracking motion is terminated	Execute the robot motion command again.
8420141f		Motion time gap occuured.	4	无法预测的错误。在同步处理动作时间时发生错误。	Please contact DENSO WAVE service with error number and error message.
80201421		Set the pass start displacement distance again.	0	If the value designated with @"numeric value" exceeds the half of the travel distance, the deceleration start position is fixed to the middle point of the travel distance.	Set pass start displacement distance again.
81201422		The robot cannot catch up with the work.	1	The issued command was cancelled because it is impossible to catch up with the workpiece.	Revise the setting. Revise the start position and the motion speed of the robot motion. Or, reduce the conveyor's speed.
81201423		Lower tracking limit over.	1	The robot stopped tracking the workpiece because it passed the lower limit.	Change the lower limt of tracking range by TrackStartArea, or set the additional argument of TrackStart
81201424		Upper tracking limit is out of robot motion range.	1	The upper tracking limit is out of the robot motion range	Change the upper limt of tracking range by TrackStartArea.
81201425		Lower tracking limit is out of robot motion range.	1	The lower tracking limit is out of the robot motion range	Change the lower limt of tracking range by TrackStartArea.

错码	RC7 编码	信息	等级	说明	恢复处理
80201426		You cannot exectue with Pass-motion	0	This operation is not allowed while Pass-motion.	Complete the Pass-motion and then try again.
80201427		MotionSkip Mode was changed.	0	The specified MotionSkip Mode is currently forbid by the system.	Revise the setting.
83201428		Failed to optimal speed control.	3	Unexpected error. An error occurred in the optimal speed control process.	Please contact DENSO WAVE service with error number and error message.
81201429		Disconnect to master robot	1	Disconnect to master robot	Please revise network condition
8220142a		First path point is different from current position.	2	Spline interpolation motion cannot work because its first path point is different from current position.	Please revise any of the following setting. - Please disable configuration of the "Use a start point in spline curve". - Please add current position to beginning of the path. - Please revise the first path point in current position. - Please carry it out after moving to position of the first path point. (You can acquire position of the path point in GetPathPoint.)
8220142b		Spline interpolation cannot be generated because there is too few path points.	2	Valid pass points are necessary more than three points in the spline interpolation motion.	Revise the pass point.
8320142c		Entered the Exclusive area during Tracking Motin	3	Interrupt Tracking Motion because of entering the exclussive area during Tracking Motion	Revise the exclusive area
8320142d		Deceling by Safety Function during Tracking Motin	3	Interrupt Tracking Motion because of deceling by Safety Function during Tracking Motion	Revise the Safety Function
8320142e		TCP current speed limit over	3	The system tried to reduce TCP speed in accordance with the safety standard ISO10218-1, but the speed still exceeds the limit. Therefore, system suspended the motion and turned OFF the motor power.	Reduce the speed because automatic speed reduction function cannot reduce the speed to the required level.
83201430		Failed to generate path by optimal speed control.	3	The specifued move can not be performed with current setting.	Revise the robot motion.
83201481		子局控制器未处于子局模式。	3	子局控制器未处于子局模式。	请确认子局控制器的设置情况。
84201482		生成指令值延迟。	4	在某段时间内，未生成指令值。	当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
83201483		指令值缓冲区溢出。	3	由于在一定时间内生成了大量的指令值，导致缓冲区溢出。	当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。

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83201484		子局控制器未处于自动模式。	3	子局模式下的动作仅支持在自动模式下执行。	请在切换子局控制器的模式为自动模式后运行。
85201485		指令值缓冲区的内存分配失败。	5	无法预测的错误。在变更指令值缓冲区大小时，内存分配失败。	请将错误编号与错误名告知本公司服务部。
84201486		停止生成指令值。	4	报错等原因无法继续生成指令值，运行中止。已紧急停止所有移动轴，并关闭电机。	请确认最新报出的错误。 当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
83201501	607A	试图向超出可移动范围的位置移动。	3	由于机器人在动作过程中试图向工作范围外移动，因此将所有轴暂停运行，并关闭了电机。	已无法继续向目标方向移动。请执行向相反方向移动的操作。
82201502	607A	试图向超出可移动范围的位置移动。	2	由于在手动模式下试图向机器人工作范围外移动，因此将所有轴暂停运行。	已无法继续向目标方向移动。请执行向相反方向移动的操作。
81201503	607A	指定位置位于超出可移动范围。	1	输入的姿势位置在机器人工作范围外，转换失败。在执行 T2J(),P2J(),T2P()指令时发生。	请输入可转换的姿势。
83201504	607D	因处于特异点附近，已停止动作。	3	执行目标手指位置、姿势时，各轴发生急剧变化，所有轴暂停运行，电机关闭。	已无法继续向目标方向移动，因此请设定特异点回避功能有效，或者修改动作目标位置和插补方法。
82201505	607D	因处于特异点附近，已停止动作。	2	执行目标手指位置、姿势时，各轴发生急剧变化，暂停运行所有轴。	已无法继续向目标方向移动，因此请设定特异点回避功能有效，或者修改动作目标位置和插补方法。
81201506	607D	因处于特异点附近，该位置无法动作。	1	执行所输入姿势的位置、姿势时，各轴发生急剧变化，中止转换。在执行 T2J(),P2J(),T2P()指令时发生。	请输入可转换的姿势。
83201507		试图参照未执行的参数。	3	无法预测的错误。系统试图参照未安装的参数。	请将错误编号与错误名告知本公司服务部。
83201508		机器人姿势变换失败。	3	无法预测的错误。转换 T2J(), P2J()等机器人姿势时发生错误。	请将错误编号与错误名告知本公司服务部。
82201509		轴编号指定了超出范围值。	2	轴编号指定了超出范围值。	请确认所指定轴编号的值。
8520150a	600E	不支持该机器人。	5	设定了当前系统不支持的机器人类型。	请将错误编号和错误名称，以及机器人控制器的版本信息告知弊司客户服务部门。
8520150b		机器人对象的内存分配失败。	5	无法预测的错误。初始化时的内存分配失败。	请将错误编号与错误名告知本公司服务部。
8520150c		附加轴对象的内存分配失败。	5	无法预测的错误。初始化时的内存分配失败。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
8320150d		无法设定重力补偿有效。	3	当前设置无法设定重力补偿有效。	请修改设定。
8320150e		无法设定重力补偿无效。	3	当前设置无法设定重力补偿无效。	请修改设定。
8320150f		无法设定电流限制有效。	3	当前设置无法设定电流限制有效。	请修改设定。
83201510		无法设定电流限制无效。	3	当前设置无法设定电流限制无效。	请修改设定。
83201511		无法设定允许偏差值。	3	当前设置无法设定偏差允许值。	请修改设定。
83201512		无法解锁伺服。	3	当前设置无法设定伺服解锁。	请修改设定。
85201513		由于初始化发生异常，导致内部处理中断。	5	发生致命错误，内部处理中断。	请确认发生致命性错误的原因。
85201514		设定的速度、加速度无效。	5	无法预测的错误。在速度、加速度初始化过程中，检测出异常的参数设置。	请将错误编号与错误名告知本公司服务部。
83201517		请设定重力补偿有效。	3	执行了要求重力补偿有效的操作。	请在设定重力补偿有效之后运行。
83201518		在电流限制值中指定了超出范围的值。	3	在电流限制值中指定了超出范围的值。	请确认指定的电流限制值。
81201519		该机器人形态无效。	1	指定了无效的机器人形态。	请确认指定的机器人形态。
8320151a		无法设定停止允许值。	3	当前设置无法设定偏差允许值。	请修改设定。
8320151b		无法设定运行结束超时值。	3	当前设置无法设定运行结束超时值。	请修改设定。
8420151c		停止发送指令值。	4	指令值的发送出现异常，中止发送指令值。已紧急停止所有移动轴，并关闭电机。	请将错误编号与错误名告知本公司服务部。
8120151d		为获取机器人名指定超出范围的值。	1	获取机器人名时指定了超出范围的值。	请确认所指定获取机器人名称的值。
8320151e		机器人手臂与轴发生干涉。	3	执行目标手指位置、姿势时，机器人手臂发生轴干涉，所有轴暂停运行，电机关闭。	已无法继续向目标方向移动。请执行向相反方向移动的操作。
8220151f		机器人手臂与轴发生干涉。	2	执行目标手指位置、姿势时，机器人手臂发生轴干涉，因此将所有轴暂停运行。	已无法继续向目标方向移动。请执行向相反方向移动的操作。
83201521		无法设定机械臂有效/无效。	3	当前设置无法设定机械臂有效/无效。	请修改设定。
83201522		无法设定重力补偿。	3	当前设置无法设定重量补偿。	请修改设定。

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83201523		无法进行 CALREADY。	3	当前设置无法 CalReady。可以考虑以下原因。 1. 该机器人类型无法执行 CalReady。 2.CalReady 的执行顺序非法。 3.CalReady 编号非法	请针对说明中的各项，实施以下内容。 1.请确认可执行 CalReady 的机器人类型。 2.请确认是否按照正确顺序执行了 CalReady。 3.请确认是否指定了无法执行的编号。
83201524		该机器人无法执行。	3	该机器人正在执行不能执行的操作。	请确认该机器人是否支持此操作。
83201525		该机器人被指定了无法实现的姿势。	3	该机器人指定了无法实现的姿势，所有轴暂停运行，电机关闭。	请按照以下方法修改动作目标姿势。 1.如果是 P 型姿势，请将 Rx 成分设为 180 度、Ry 成分设为 0 度。 2.如果是 T 型姿势，请将法向量设定为 V(0, 0, -1)。
83201526		在 Z 轴力限制值中指定了超出范围的值。	3	在 Z 轴力限制值中指定了超出范围的值。	请确认指定的 Z 轴力限制值。
83201527		无法设定 Z 轴力限制有效。	3	当前设置无法设定 Z 轴力限制有效。	请修改设定。
83201528		无法设定 Z 轴力限制无效。	3	当前设置无法设定 Z 轴力限制无效。	请修改设定。
83201529		无法进行伺服锁定。	3	当前设置无法设定伺服锁定。	请修改设定。
8320152A		PWM ON できません。	3	当前设置无法设定 PWM ON。	请修改设定。
8320152B		无法 PWM OFF。	3	当前设置无法设定 PWM OFF。	请修改设定。
8320152C		无法设定力控制有效。	3	当前设置无法设定力控制有效。	请修改设定。
8320152D		无法设定力控制无效。	3	当前设置无法设定力控制无效。	请修改设定。
8320152E		力控制、手指位置偏差异常	3	在力控制执行过程中，手指位置偏差超出允许值。	请修改手指位置偏差允许值。
8320152F		力控制、控制力限制超限	3	在力控制执行过程中，控制力超出允许值。	请修改设定。
83201530		力控制、速度限制超限	3	在力控制执行过程中，手指速度超出允许值。	请降低速度。
83201531		在力控制过程中无法进行 PTP 操作。	3	PTP 试图在力控制过程中运行。	请修改程序，确保在力控制过程中不执行 PTP 动作。
83201532		力控制参数异常	3	正在设定非法值。	请修改力控制参数的设定。
83201533		在力限制过程中无法重新开始动作。	3	试图在力控制过程中，从暂停状态恢复运行。	请修改程序，确保在力控制过程中机器人运行不进入暂停状态。

错码	RC7 编码	信息	等级	说明	恢复处理
82201534		已指定无限旋转轴以外的轴。	2	该轴执行了仅支持无限旋转轴执行的操作。	请确认所指定轴编号的值。 若所指定轴未设定为无限旋转，请在轴设定界面中完成设定。
83201535		力限制过程中无法设定。	3	试图在力控制过程中设定力控制参数。	请修改程序，确保在力控制过程中不进行力控制参数的设定。
81201536		碰撞检测参数异常	1	正在设定非法值。	请修改碰撞检测参数的设定。
83201537		Commond is not executable with robot joints	3	This operation is not available for the robot joint.	Reconfirm the setting.
83201538		Commond is not executable with sliding joints	3	This operation is not available for the sliding joints.	Reconfirm the setting.
83201539		You cannot execute this operation while force control is enabled	3	This operation is not available while the force limit is ON.	Disable the force control and the try again.
8320153A		Invalid force control coordinate system.	3	This coordinate system is not available in the Force control.	Revise the coordinate system.
8320153B		Invalid force control mode.	3	This control mode is not available in the Force control.	Revise the control mode.
8320153C		Invalid force control number.	3	This control number is not available in the Force control.	Revise the force control number.
8320153D		You cannot set "0" for Inertia and damping parameter.	3	Tried to set zero value for inertia or damping parameter.	Revise the inertia, or damping parameter.
8320153E		You cannot control inertia, damping and compliance parameters.	3	You cannot control inertia, damping and compliance parameters.	Please increase the damping parameter. Or, please reduce the inertia, or compliance parameters.
8320153F		You cannot calculate inertia, damping and compliance parameters.	3	You cannot calculate inertia, damping and compliance parameters.	Please reduce the damping parameter. Or, please increase the inertia, or compliance parameters.
83201540		Invalid license(Force Sensor Compliance Control)	3	Tried to use a function without a force sensor compliance control license.	Please register a license, when it already has a license. Please contact DENSO WAVE service, when you do not have a license.
83201541		Failed to communicate to Force sensor.	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83201542		Force sensor data error	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83201543		Failed to connect to Force sensor.	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83201544		Force sensor is not available in this system.	3	You cannot use Force sensor in this system because of the current Force sensor's configuration.	Please enable configuration of the "Force sensor status". [F2 Arm] – [F6 Aux] – [F1 Config] – [152 Force sensor status]
83201545		Force control is disabled	3	Force control was finished because the operation was stopped during the force control..	Stop processing was executed during force control . Please disable the force control before the stop processing . Move the robot to the safe place, and then enable the force control again.
83201546		Force control data argument is invalid	3	Invalid value is set to the force control data argument.	Check the argument of the force control data acquision.
84201547		Command position generation error	4	Unexpected command speed was detected. All joints have Emergency-stopped and motor power was turned OFF for safety reason.	Please contact DENSO WAVE service with the error number and the error message.
80201548		Command position generation error	0	Unexpected command speed was detected.	Please contact DENSO WAVE service with the error number and the error message.
80201549		Failed to communicate to force sensor	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
8020154A		Force sensor communication is disconnected	0	Disconnected from Force sensor.	Check the connection between the force sensor and the controller.
8020154B		Force sensor packet error	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
8020154C		Force sensor data reception timeout	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller-force sensor communication.
8320154D		X-axis position deviation error in the force control	3	X-axis position exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.

错码	RC7 编码	信息	等级	说明	恢复处理
8320154E		Y-axis position deviation error in the force control	3	Y-axis position exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.
8320154F		Z-axis position deviation error in the force control	3	Z-axis position exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.
83201550		Excessive posture error around X-axis in the force control	3	X-axis posture exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.
83201551		Excessive posture error around Y-axis in the force control	3	Y-axis posture exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.
83201552		Excessive posture error around Z-axis in the force control	3	Z-axis posture exceeded the limit while the force control is ON.	Revise the setting of TCP deviation allowable value.
81201553		Failed to acquire force control data.	1	The data acquisition command was executed while the force control was deactivated. This command is available only while the force control is activated.	Acquire data while the force control is activated.
83201554		X-axis force limit over in the force control	3	X force exceeded the limit	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.
83201555		Y-axis force limit over in the force control	3	Y force exceeded the limit	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.
83201556		Z-axis force limit over in the force control	3	Z force exceeded the limit	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.
83201557		Moment about X-axis is over the limit in the force control	3	Moment around X-axis exceeded the limit.	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.
83201558		Moment about Y-axis is over the limit in the force control	3	Moment around Y-axis exceeded the limit.	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.

错码	RC7 编码	信息	等级	说明	恢复处理
83201559		Moment about Z-axis is over the limit in the force control	3	Moment around Z-axis exceeded the limit.	The force sensor detected the value higher than the rated value. Please check the rated value of the force sensor. Reduce speed, or change operation.
8320155A		You cannot exectue with Auto-PosClr	3	You cannot exectue it with Auto-PosClr	Revise the setting.
8320155B		You cannot exectue with calibrated kinematics	3	You cannot execute it with calibrated kinematics	Revise the setting.
8220155C		Command position collided with the virtual fence (Manual mode).	2	Collision was detected between the robot command position and equipment data in Manual mode.	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, disable the virtual fence first, and then move the robot to the outside of detection area.
8220155D		Current position collided with the virtual fence (Manual mode).	2	Collision was detected between the current robot position and equipment data in Manual mode.	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, disable the virtual fence first, and then move the robot to the outside of detection area.
8320155E		Command position collided with the virtual fence (Auto mode).	3	Collision was detected between the robot command position and equipment data in Auto mode.	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, disable the virtual fence first, and then move the robot to the outside of detection area.
8420155F		Current position collided with the virtual fence (Auto mode).	4	Collision was detected between the current robot position and equipment data in Auto mode.	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, disable the virtual fence first, and then move the robot to the outside of detection area.

错码	RC7 编码	信息	等级	说明	恢复处理
82201560		Target position collided with the virtual fence (Manual mode).	2	Collision was detected between the robot target position and equipment data in Manual mode.	Perform teaching the robot again apart from the equipment.
83201561		Target position collided with the virtual fence (Auto mode).	3	Collision was detected between the robot target position and equipment data in Auto mode.	Perform teaching the robot again apart from the equipment.
83201562		Position command entered the Exclusive area.	3	Detected a position command intrusion in the Exclusive area.	Control all robots so that multiple robots do not enter the same Exclusive area simultaneously. To detect a collision in the Exclusive area while the robot is out-of-detection area, disable the Exclusive area first, and then move the robot to the outside of exclusive area.
84201563		Current position entered the Exclusive area.	4	Detected a position current intrusion in the Exclusive area.	Control all robots so that multiple robots do not enter the same Exclusive area simultaneously. To detect a collision in the Exclusive area while the robot is out-of-detection area, disable the Exclusive area first, and then move the robot to the outside of exclusive area.
80201564		Target position entered the Exclusive area.	0	Detected a target position intrusion in the Exclusive area.	Perform teaching the robot away from the exclusive area.
83201565		Virtual fence monitoring processing delay.	3	Timeout occurred in the virtual fence monitoring process.	Please reduce the number of monitoring model. Please simplify the shape of the monitoring model. Please lower the detection level of the monitoring model.
83201566		Exclusive area monitoring processing delay.	3	Timeout occurred in the exclusive area monitoring process.	Please reduce the number of monitoring model. Please simplify the shape of the monitoring model. Please lower the detection level of the monitoring model.
83201567		Exclusive control wait timeout.	3	Timeout occurred in the exclusive control waiting process.	Please modify the program to avoid the long waiting time.
83201568		Collision monitoring function initialization error.	3	Collision monitoring function initialization error.	Make sure that the monitoring model is set correctly.
83201569		Specified axis deviation is invalid	3	Error allowance setting is out of range.	Confirm the specified error allowance setting.
8320156A		You cannot enable high tracing control	3	High tracing control is not available in the current setting.	Revise the setting.
8320156B		You cannot disable high tracing control	3	High tracing control is not available in the current setting.	Revise the setting.

错码	RC7 编码	信息	等级	说明	恢复处理
8320156C		You cannot enable vibration control.	3	Vibration control is not available in the current setting.	Revise the setting.
8320156D		You cannot disable vibration control.	3	Vibration control is not available in the current setting.	Revise the setting.
8320156E		You cannot enable vibration controlM.	3	Vibration controlM is not available in the current setting.	Revise the setting.
8320156F		You cannot disable vibration controlM.	3	Vibration controlM is not available in the current setting.	Revise the setting.
85201570		Failed to initialize force sensor	5	Unexpected Error. Failed to initialize force sensor	请将错误编号与错误名告知本公司服务部。
83201571		Failed to transfer force sensor data	3	Failed to transfer force sensor data.	Please check EtherCAT connection.
83201572		Command position collided with the virtual fence	3	Collision was detected between the robot command position and equipment data	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, first disable the virtual fence, or use direct mode, and then move the robot to the outside of detection area.
83201573		Current position collided with the virtual fence	3	Collision was detected between the current robot position and equipment data	Please operate the robot away from the equipment or tools robot. Please operate the robot away from the robot tool. To detect a collision in the virtual fence while robot is out-of-detection area, first disable the virtual fence, or use direct mode, and then move the robot to the outside of detection area.
83201574		Target position collided with the virtual fence	3	Collision was detected between the robot target position and equipment data	Perform teaching the robot again apart from the equipment.
83201575		Failed to disable direct mode.	3	You cannot disable direct mode while you move the robot.	Stop robot motions and then try again.
83201581		无法编辑 TOOL0。	3	无法编辑 TOOL0。	请使用 TOOL0 以外的编号。
83201582		工具编号中指定了超出范围的值。	3	工具编号中设定了超出范围的值。	请确认所指定工具编号的值。
83201583		工具定义生成失败。	3	无法预测的错误。在工具定义的简单教导中，工具定义生成失败。	请将错误编号与错误名告知本公司服务部。

错码	RC7编码	信息	等级	说明	恢复处理
83201601		无法编辑 WORK0。	3	无法编辑 WORK0。	Use WORK number other than 0.
83201602		工件编号中指定了超出范围的值。	3	工件编号中设定了超出范围的值。	Confirm the specified work number.
83201603		Specified work attribute is invalid.	3	Work attribute is out of range.	Confirm the specified work attribute.
83201604		You cannot edit BASE 0.	3	BASE 0 cannot be edited.	Use BASE number other than 0.
83201605		Specified base number is invalid.	3	Base number is out of range.	Confirm the specified base number.
8120167B		No target workpiece exists on the conveyor	1	This operation is not executable because there is no target work on the conveyor.	Revise the setting.
8320167C		无传送带。	3	无传送带。	Connect the conveyor to the controller.
8320167D		与传送带的通信失败。	3	与传送带的通信失败。	Confirm the connection between conveyor and controller.
8120167E		在连接传送带时使用了无效的参数。	1	无法预测的错误。与传送带之间的通信参数指定了非法值。	Please Revise Joint Number or I/O Number.
8120167F		与传送带的连接失败。	1	无法预测的错误。与传送带的连接失败。	Please contact DENSO WAVE service with error number and error message.
83201681		报告已开始。	3	在执行报告功能时，执行了禁止的操作。	请在停止报告功能后运行。
83201682		前一次的指令值发送处理未完成。	3	在上一次指令值发送处理完成之前，试图开始发送新的指令值。	请将错误编号与错误名告知本公司服务部。
83201683		子局控制器与机器人型号不一致。	3	试图与设定了不同机器人型号的机器人控制器建立连接。	请修改子局控制器的设置情况。
83201684		由于伺服指令值缓冲区为空，无法发送指令值。	3	无法预测的错误。内部指令值缓冲区为空，无法发送指令值。	请将错误编号与错误名告知本公司服务部。
83201685		电机 ON 的状态下无法执行。	3	执行了在电机 ON 状态下被禁止的操作。	请在关闭电机后运行。
83201686		请在电机 ON 的状态下执行。	3	执行了要求在电机 ON 状态下进行的操作。	请在电机 ON 的状态下执行。
83201687		机器锁定状态下无法执行。	3	执行了在机器锁定状态下被禁止的操作。	请在解除机器锁定之后执行。
83201688		紧急停止接通状态下不能执行。	3	执行了在紧急停止 ON 状态下被禁止的操作。	请在紧急停止 OFF 之后执行。
83201689		请在打开双重安全开关之后执行。	3	执行了在双重安全开关 OFF 状态下被禁止的操作。	请在打开双重安全开关之后执行。
8320168a		防护停止接通状态下不能执行。	3	执行了在防护停止 ON 状态下被禁止的操作。	请在防护停止 OFF 之后执行。

错码	RC7编码	信息	等级	说明	恢复处理
8320168b		若有轴正在动作，则无法执行。	3	执行了存在运行中的轴时被禁止的操作。	请在所有轴完全停止后运行。
8320168c		请在至少有 1 根轴动作的状态下执行。	3	执行了至少需要 1 根轴处于运行状态的操作。	请在至少有 1 根轴动作的状态下执行。
8320168d		电流限制状态下无法执行。	3	执行了在电流限制状态下不能使用的功能。	请在解除了电流限制的状态下运行。
8420168e		该伺服连接类型无效。	4	无法预测的错误。与伺服模块的连接失败。不支持所指定的连接 ID。	请将错误编号与错误名告知本公司服务部。
8520168f		无效的伺服连接选项。	5	无法预测的错误。与伺服模块的连接失败。不支持所指定的连接选项。	请将错误编号与错误名告知本公司服务部。
83201691		超出子局控制器的最大登录数。	3	超出子局控制器的最大登录数。	已无法继续登录子局控制器。请先结束其他机器人控制器的连接，然后重新进行登录操作。
82201692		b-CAP 伺服连接失败。	2	与伺服模块的连接失败。b-Cap 通信的设置可能存在问题。	请修改 b-Cap 通信的设置情况。
83201693		等待停止超时。	3	运行中的轴等待停止处理超时。	请在所有轴完全停止后运行。
82201694		b-CAP 伺服连接超时。	2	与伺服模块的连接失败。b-Cap 通信可能已经断开。	请确认 b-Cap 通信是否成功建立。
83201695		执行动作命令过程中无法执行。	3	执行了动作命令执行中被禁止的操作。	请在动作命令结束后运行。
85201696		由于初始化发生异常，导致内部处理中断。	5	发生致命错误，内部处理中断。	请确认发生致命性错误的原因。
83201697		设定过滤器参数无效。	3	过滤器设定了无效的参数。	可能设定了允许范围以外的设定值。请修改设定值。
80201698		请在实机状态下执行。	0	执行了虚拟环境不支持的操作。	请在实机上执行。
83201699		Encoder hub is not connected	3	Extended-joint is enable, but the encoder hub is not connected.	Turn OFF the robot controller and connect the encoder hub correctly. Then turn ON the robot controller.
8420169a		指令值缓冲区溢出。	4	传输指令值的内部缓冲区溢出。	Please contact DENSO WAVE service with error number and error message.
852016fa	6180	伺服模块通信异常。	5	无法预测的错误。与伺服模块之间的通信可能存在问题。	请将错误编号与错误名告知本公司服务部。
842016fb		伺服模块异常。	4	无法预测的错误。伺服模块出现异常。	请将错误编号与错误名告知本公司服务部。

错码	RC7 编码	信息	等级	说明	恢复处理
832016fc		I/O 通信异常。	3	无法预测的错误。与 I/O 设备之间的通信可能存在问题。	请将错误编号与错误名告知本公司服务部。
832016fd		I/O 异常。	3	无法预测的错误。I/O 设备出现异常。	请将错误编号与错误名告知本公司服务部。
822016fe		电源 OFF。	2	机器人控制器的电源断开。	请将错误编号与错误名告知本公司服务部。
832016ff		再生电阻过载异常。	3	无法预测的错误。有过大的电流流向再生电阻。	请修改机器人的动作。
83201700		执行了未设定许可条件的操作。	3	无法预测的错误。执行了未设定许可条件的操作。	请将错误编号与错误名告知本公司服务部。
81201701	21D3	若有发生错误的机器人控制器，将无法执行。	1	执行了存在机器人正在报错的控制器时被禁止的操作。	请在完成错误清除的状态下，运行所有机器人控制器。
81201801		请在人为使其发生错误的状态下执行。	1	执行了需要主动生成报错状态的操作。	请在人为使其发生错误的状态下执行。
81201702	600A	所有机器人控制器的电机 ON 状态下无法执行。	1	执行了所有机器人控制器电机 ON 状态下被禁止的操作。	请在至少关闭 1 个机器人控制器的电机后运行。
81201802	6006	请在启动所有机器人控制器的电机后执行。	1	执行了要求所有机器人控制器电机 ON 的操作。	请在启动所有机器人控制器的电机后执行。
81201703		若有轴正在动作，则无法执行。	1	执行了存在运行中的轴时被禁止的操作。	请在停止了所有机器人控制器的全部轴之后运行。
81201803		请在至少有 1 根轴动作的状态下执行。	1	执行了至少需要 1 根轴处于运行状态的操作。	请在至少有 1 根轴动作的状态下执行。
81201704		You cannot execute a command after the calibration of all joints has been finished with all robot controllers.	1	执行了所有机器人控制器在完成 CALSET 的状态下被禁止的操作。	请在至少 1 个机器人控制器处于 CALSET 未完成状态下运行。
81201804		Complete calibration for all joints with all robot controllers before executing the command.	1	执行了要求所有机器人控制器完成 CALSET 的操作。	请在所有机器人控制器处于 CALSET 完成状态下运行。
81201705	21DE	在所有机器人控制器均处于机器锁定状态下无法执行。	1	执行了所有机器人控制器处于机器锁定状态下被禁止的操作。	请在至少有 1 个机器人控制器解除机器锁定之后运行。
81201805	21DF	请在将所有机器人控制器实施机器锁定后执行。	1	执行了要求所有机器人控制器处于机器锁定状态的操作。	请在将所有机器人控制器实施机器锁定后执行。

错码	RC7 编码	信息	等级	说明	恢复处理
81201706	21E2	用手动模式不能执行	1	执行了在手动模式下被禁止的操作。	请在手动模式以外的模式下运行。
81201806	21E3	请设定为手动模式后执行。	1	执行了必须在手动模式下进行的操作。	请设定为手动模式后执行。
81201707	21E4	用教导检查模式不能执行	1	执行了在教导检查模式下被禁止的操作。	请在教导检查模式以外的模式下运行。
81201807	21E5	请设定为教导检查模式后执行。	1	执行了必须在教导检查模式下进行的操作。	请设定为教导检查模式后执行。
81201708	21E6	用自动模式不能执行。	1	执行了在自动模式下被禁止的操作。	请在自动模式以外的模式下运行。
81201808	21E7	请在设定为自动模式后执行。	1	执行了必须在自动模式下进行的操作。	请在设定为自动模式后执行。
81201709	21EB	双重安全开关接通状态下不能执行。	1	执行了在双重安全开关 ON 状态下被禁止的操作。	请在双重安全开关 OFF 之后执行。
81201809	21EC	请在打开双重安全开关之后执行。	1	执行了在双重安全开关 OFF 状态下被禁止的操作。	请在打开双重安全开关之后执行。
8120170a	2008	紧急停止接通状态下不能执行。	1	执行了在紧急停止 ON 状态下被禁止的操作。	请在紧急停止 OFF 之后执行。
8120180a	21ED	请在紧急停止 ON 之后执行。	1	执行了在紧急停止 OFF 状态下被禁止的操作。	请在紧急停止 ON 之后执行。
8120170b		防护停止接通状态下不能执行。	1	执行了在防护停止 ON 状态下被禁止的操作。	请在防护停止 OFF 之后执行。
8120180b		请在防护停止 ON 之后执行。	1	执行了在防护停止 OFF 状态下被禁止的操作。	请在防护停止 ON 之后执行。
8120170c	21F2	自动允许 ON 的状态下不能执行。	1	执行了在自动允许 ON 状态下被禁止的操作。	请在自动允许 OFF 后执行。
8120180c	21F3	请在自动允许 ON 后执行。	1	执行了在自动允许 OFF 状态下被禁止的操作。	请在自动允许 ON 后执行。
8420170d		请在虚拟环境下执行。	4	执行了在实机环境下被禁止的操作。	请在 PC 等的虚拟环境下运行。
8420180d		请在实机状态下执行。	4	执行了在虚拟环境下被禁止的操作。	请在实机上执行。
8120170e		在所有机器人控制器 CALSET 完成状态下无法执行。	1	执行了所有机器人控制器在完成 CALSET 的状态下被禁止的操作。	请在至少 1 个机器人控制器处于 CALSET 未完成状态下运行。
8120180e		请完成所有机器人控制器的 CALSET 处理。	1	执行了要求所有机器人控制器完成 CALSET 的操作。	请在所有机器人控制器处于 CALSET 完成状态下运行。
81201741		若有轴正在动作，则无法执行。	1	执行了存在运行中的轴时被禁止的操作。	请在所有轴完全停止后运行。
81201841		请在至少有 1 根轴动作的状态下执行。	1	执行了至少需要 1 根轴处于运行状态的操作。	请在至少有 1 根轴动作的状态下执行。
81201742	21EE	在所有轴连续停止状态下无法执行。	1	执行了至少需要 1 根轴处于运行状态的操作。	请在至少有 1 根轴动作的状态下执行。

错码	RC7 编码	信息	等级	说明	恢复处理
81201842	21EF	请在使所有轴处于连续停止状态后执行。	1	执行了存在运行中的轴时被禁止的操作。	请在使所有轴处于连续停止状态后执行。
81201743		所有轴停止过程中无法执行。	1	执行了在所有轴停止运行状态下被禁止的操作。	请在至少有 1 根轴动作的状态下执行。
81201843		请在停止所有轴之后执行。	1	执行了存在运行中的轴时被禁止的操作。	请在停止所有轴之后执行。
81201744	600B	在机器人轴动作过程中无法执行。	1	执行了在机器人轴运行过程中被禁止的操作。	请在将所有机器人轴完全停止后运行。
81201844		请在机器人轴动作过程中执行。	1	执行了必须在机器人轴运行状态下进行的操作。	请在机器人轴处于运行状态下执行。
81201745		在机器人轴连续停止状态下无法执行。	1	执行了在机器人轴连续停止过程中被禁止的操作。	请在将所有机器人轴完全停止后运行。
81201845		请使机器人轴处于连续停止状态后执行。	1	执行了必须在机器人轴连续停止状态下进行的操作。	请使机器人轴处于连续停止状态后执行。
81201746		附加轴动作过程中无法执行。	1	执行了在附加轴运行状态下被禁止的操作。	请在附加轴完全停止后运行。
81201846		请在附加轴动作过程中执行。	1	执行了必须在附加轴运行状态下进行的操作。	请在附加轴处于运行状态下执行。
81201747		在附加轴连续停止状态下无法执行。	1	执行了在附加轴连续停止过程中被禁止的操作。	请在附加轴完全停止后运行。
81201847		请在使附加轴处于连续停止状态后执行。	1	执行了必须在附加轴连续停止状态下进行的操作。	请在使附加轴处于连续停止状态后执行。
81201748	21DE	机器锁定状态下无法执行。	1	执行了在机器锁定状态下被禁止的操作。	请在解除机器锁定之后执行。
81201848	21DF	请在机器锁定后执行。	1	执行了必须处于机器锁定状态下的操作。	请在机器锁定后执行。
81201749	21D3	发生错误时不能执行。	1	执行了在报错状态下被禁止的操作。	请在完成错误清除的状态下运行。
81201849		请在人为使其发生错误的状态下执行。	1	执行了需要主动生成报错状态的操作。	请在人为使其发生错误的状态下执行。
8320174a		电机正在 ON 时无法执行。	3	执行了在电机正在 ON 时被禁止的操作。	请在关闭电机后运行。
8220184a		请在电机正在 ON 时执行。	2	执行了要求在电机正在 ON 时进行的操作。	请在电机正在 ON 时执行。
8120174b	600A	电机 ON 的状态下无法执行。	1	执行了在电机 ON 状态下被禁止的操作。	请在关闭电机后运行。
8120184b	6006	请在电机 ON 的状态下执行。	1	执行了要求在电机 ON 状态下进行的操作。	请在电机 ON 的状态下执行。
8320174c		电机正在 OFF 时无法执行。	3	执行了电机正在 ON 时被禁止的操作。	请在关闭电机后运行。

错码	RC7编码	信息	等级	说明	恢复处理
8220184c		请在电机正在 OFF 时执行。	2	执行了要求在电机正在 OFF 时进行的操作。	请在电机正在 OFF 时执行。
8120174d		You cannot execute a command after all joint calibration completed.	1	执行了在 CALSET 完成后被禁止的操作。	请在 CALSET 未完成的状态下运行。
8120184d		Calibrate all joints before executing the command.	1	执行了必须在完成 CALSET 后进行的操作。	请在完成 CALSET 后执行。
8120174e		在子局模式下不能执行。	1	执行了子局模式下被禁止的操作。	请在子局模式 OFF 后执行。
8120184e		请在切换子局模式后执行。	1	执行了必须在切换为子局模式状态下进行的操作。	请在切换子局模式后执行。
8120174f		子局控制器无法执行。	1	执行了子局控制器被禁止的操作。	请在主局控制器上运行。
8120184f		请通过子局控制器执行。	1	执行了仅限子局控制器许可的操作。	请通过子局控制器执行。
81201751		发生区域干涉时无法执行。	1	执行了在区域干涉状态下被禁止的操作。	请在不干涉区域的位置上运行。
81201851		请在主动生成区域干涉后执行。	1	执行了需要主动生成区域干涉状态的操作。	请在主动生成区域干涉后执行。
81201752		变量移动过程中无法执行。	1	执行了变量移动过程中被禁止的操作。	请在完成变量移动后运行。
81201852		请在变量移动过程中执行。	1	执行了必须在变量移动过程中允许进行的操作。	请在变量移动过程中执行。
81201753		自动运行过程中无法执行。	1	执行了在自动运行过程中被禁止的操作。	请在完成自动运行后运行。
81201853		请在自动运行过程中执行。	1	执行了仅限自动运行过程中允许进行的操作。	请在自动运行过程中执行。
81201754		手动运行时不能执行。	1	执行了在手动运行过程中被禁止的操作。	请在完成手动运行后运行。
81201854		请在手动运行过程中执行。	1	执行了仅限手动运行过程中允许进行的操作。	请在手动运行过程中执行。
81201755		CALSET 完成后无法执行。	1	执行了在 CALSET 完成后被禁止的操作。	请在 CALSET 未完成的状态下运行。
81201855		请在完成 CALSET 后执行。	1	执行了必须在完成 CALSET 后进行的操作。	请在完成 CALSET 后执行。
83201756		You cannot execute a command in the remote servo mode	3	This operation is not allowed on the remote servo mode	Turn OFF the remote servo mode.
82201856		Command is executable only in the remote servo mode	2	This operation is allowed only in the remote servo mode	Turn ON the remote servo mode.
81201757		You cannot execute a command when a collision is detected in the virtual fence.	1	This operation is not allowed while virtual fence is detecting collision.	Move robot to the no collide area and try again.
81201857		Command is executable only when a collision is detected in the virtual fence.	1	This operation is allowed only when a virtual fence is detecting collision.	Move robot to the collide area and try again.

错码	RC7编码	信息	等级	说明	恢复处理
81201758		You cannot execute a command when an intrusion is detected in the Exclusive area.	1	This operation is not allowed while exclusive area is detecting instrusion.	Move robot to the no instrusion area and try again.
81201858		Command is executable only when an intrusion is detected in the Exclusive area.	1	This operation is allowed only when an Exclusive area is detecting instrusion.	Move robot to the instrusion area and try again.
81201759		You cannot execute a command in the JOG mode.	1	This operation is not allowed in the JOG mode.	Turn OFF the JOG mode and then try again.
81201859		Change to JOG mode to execute the command.	1	This operation requires the condition that the robot is in the JOG mode.	Turn ON the JOG mode and then try again.
812017fa		机械臂组动作过程中无法执行。	1	执行了在机械臂组运行状态下被禁止的操作。	请在机械臂组完全停止后执行。
812018fa		请在至少有 1 个机械臂组轴动作的状态下执行。	1	执行了至少需要 1 个机械臂组处于运行状态的操作。	请在至少有 1 个机械臂组轴动作的状态下执行。
812017fb		在机械臂组连续停止状态下无法执行。	1	执行了必须在机械臂组运行状态下进行的操作。	请在机械臂组处于运行状态下执行。
812018fb		请使机械臂组处于连续停止状态后执行。	1	执行了在机械臂组运行状态下被禁止的操作。	请使机械臂组处于连续停止状态后执行。
812017fc		包括机器人轴在内的机械臂组动作过程中无法执行。	1	执行了要求包括机器人轴在内的机械臂组处于运行状态的操作。	请在包括机器人轴在内的机械臂组完全停止后运行。
812018fc		请启动包括机器人轴在内的机械臂组后执行。	1	执行了包括机器人轴在内的机械臂组运行过程中被禁止的操作。	请启动包括机器人轴在内的机械臂组后执行。
812017fd		包括机器人轴在内的机械臂组连续停止过程中无法执行。	1	执行了包括机器人轴在内的机械臂组连续停止过程中被禁止的操作。	请在包括机器人轴在内的机械臂组完全停止后运行。
812018fd		请在使包括机器人轴在内的机械臂组处于连续停止状态后执行。	1	执行了要求包括机器人轴在内的机械臂组处于连续停止状态的操作。	请在使包括机器人轴在内的机械臂组处于连续停止状态后执行。
812017fe		包括附加轴在内的机械臂组动作过程中无法执行。	1	执行了要求包括附加轴在内的机械臂组处于运行状态的操作。	请在包括附加轴在内的机械臂组完全停止后运行。
812018fe		请启动包括附加轴在内的机械臂组后执行。	1	执行了包括附加轴在内的机械臂组运行过程中被禁止的操作。	请启动包括附加轴在内的机械臂组后执行。

错码	RC7编码	信息	等级	说明	恢复处理
812017ff		包括附加轴在内的机械臂组连续停止过程中无法执行。	1	执行了包括附加轴在内的机械臂组连续停止过程中被禁止的操作。	请在包括附加轴在内的机械臂组完全停止后运行。
812018ff		请在使包括附加轴在内的机械臂组处于连续停止状态后执行。	1	执行了要求包括附加轴在内的机械臂组处于连续停止状态的操作。	请在使包括附加轴在内的机械臂组处于连续停止状态后执行。
83201903		该姿势类型无效。	3	无法预测的错误。指定的姿势类型不存在。	请将错误编号与错误名告知本公司服务部。
83201904		该姿势排列索引无效	3	无法预测的错误。试图参照超出姿势排列范围的位置。	请将错误编号与错误名告知本公司服务部。
81201905		该 T 型姿势无效。	1	定向量、法向量均为零向量，以及定向量、法向量存在于同一直线的，均不能作为动作目标姿势使用。	请修改指定的 T 型姿势。
82201906		该姿势排列无效。	2	该排列规格过大或者含有无效的数据类型。	请修改指定的姿势排列。
85201981		主线程生成失败。	5	无法预测的错误。系统启动时主线程生成失败。	请将错误编号与错误名告知本公司服务部。
85201982		线程的优先顺序设定失败。	5	无法预测的错误。系统启动时的主线程运行优先顺序设置失败。	请将错误编号与错误名告知本公司服务部。
83201983		超出了动作引擎的最大登录数。	3	超出了动作引擎的最大登录数。	已无法继续登录动作引擎。请先结束其他动作引擎，然后重新进行登录操作。
85201984		打开设备激励器失败。	5	无法预测的错误。打开设备激励器失败。	请将错误编号与错误名告知本公司服务部。
85201985		设备激励器的开始失败。	5	无法预测的错误。设备激励器的开始失败。	请将错误编号与错误名告知本公司服务部。
83201986		调出非法设备激励器。	3	无法预测的错误。调用了无效的设备激励器。	请将错误编号与错误名告知本公司服务部。
85201987		事件线程生成失败。	5	无法预测的错误。系统启动时事件线程生成失败。	请将错误编号与错误名告知本公司服务部。
85201988		生成事件失败。	5	无法预测的错误。系统启动时事件生成失败。	请将错误编号与错误名告知本公司服务部。
85201989		接收事件失败。	5	无法预测的错误。系统运行中接收事件失败。	请将错误编号与错误名告知本公司服务部。
8220198a		打开注册表键失败。	2	无法预测的错误。系统启动时注册表读取失败。	请将错误编号与错误名告知本公司服务部。
8520198b		主模块的内存分配失败。	5	无法预测的错误。系统启动时内存分配失败。	请将错误编号与错误名告知本公司服务部。
8520198c		最小定时器分辨率设定失败。	5	无法预测的错误。系统启动时，事件定时器分辨率设置失败。	请将错误编号与错误名告知本公司服务部。
8520198d		Thread creation error	5	Unexpected error. Failed to create thread at the system startup.	Please contact DENSO WAVE service with error number and error message.

错码	RC7 编码	信息	等级	说明	恢复处理
83201a01		自动调节波形的评估值超出范围。	3	未能保存自动增益调整所需的数据。	请修改电机的最高转速、加速时间和刚性。
83201a02		该轴不是自动调节的对象轴。	3	选择了自动增益调整对象以外的轴。	请修改对象轴。
83201a03	6003	刚性值超出范围。	3	自动增益调整对象中选择了无刚性。	请修改刚性。
83201a04		指定的方向超出范围。	3	自动增益调整对象选择了方向指定。	请修改方向指定。
83201a05		识别惯量时调出加速度失败。	3	未能调出用于识别惯量的加速度。	请修改电机设定和机械设定。
83201a06		获取 Log 失败。	3	未能保存自动增益调整所需的数据。	请修改电机的最高转速、加速时间和刚性。
83201a07	6003	识别惯量时获取 log 的时间过短。	3	未能保存自动增益调整所需的数据。	请修改电机设定和机械设定。
83201a08		自动调节时获取 log 失败。	3	未能保存自动增益调整所需的数据。	请修改电机设定和机械设定。
83201a09		自动调节时整定评估失败。	3	未能从自动增益调整中的波形调出数据。	请修改电机设定和机械设定。
83201a10		识别动作次数过多	3	识别惯量的次数超出了规定次数。	请修改电机设定和机械设定。
83201a11		Log 保存次数过多。	3	自动增益调整的调整次数超出了规定次数。	请修改电机设定和机械设定。
83201a12		速度未提升至调整起始速度。	3	自动增益调整的调整速度未能达到动作速度。	请修改电机设定和机械设定。
83201a13		该加速度无效。	3	自动增益调整所使用的加速度未获得正确的设置。	请修改最高转速和加速时间。
80201a14		自动增益调整的调整结果未进行收敛。	0	已完成规定次数的自动调整，但增益调整尚未完成。	请修改电机设定和机械设定。
80201a15		自动增益调整的调整结果未进行收敛。	0	已完成规定次数的自动调整，但增益调整尚未完成。	请修改电机设定和机械设定。
80201a16		自动增益调整的调整结果未进行收敛。	0	已完成规定次数的自动调整，但增益调整尚未完成。	请修改电机设定和机械设定。
81201a81		访问了超出范围的控制 log 记录。	1	访问了超出范围的控制 log 记录。	请修改设定。
85201a82		控制 log 对象的内存分配失败。	5	无法预测的错误。控制 log 对象的内存分配失败。	请将错误编号与错误名告知本公司服务部。
81201a83		控制 log 抽样时间设定了超出范围的值。	1	控制 log 抽样时间设定了超出范围的值。	设定值的范围为:8 ～ 32。请修改设定值。

错码	RC7编码	信息	等级	说明	恢复处理
81201a84		该控制 log 记录时间无效。	1	控制 log 记录时间设定了超出范围的值。	设定值的范围为:10 ～ 240。请修改设定值。
81201a85		该控制 log 获取模式无效。	1	指定了不受支持的控制 log 获取模式。	请修改设定。
81201a86		该控制 log 记录模式无效。	1	指定了不受支持的控制 log 记录模式。	请修改设定。
81201a87		在控制 log 实施记录过程中，无法设定 log 记录间隔时间。	1	在控制 log 实施记录过程中，无法设定 log 记录间隔时间。	请在停止了控制 log 的记录后运行。
81201a88		在控制 log 实施记录过程中，无法设定 log 记录时间。	1	在控制 log 实施记录过程中，无法设定 log 记录时间。	请在停止了控制 log 的记录后运行。
81201a89		在记录控制 Log 时不能执行。	1	执行了在控制 log 记录过程中被禁止的操作。	请在停止了控制 log 的记录后运行。
81201a8a		访问了超出范围的控制 log 页。	1	访问了超出范围的控制 log 页。	请修改设定。
81201b01		访问了超出范围的伺服 log 记录。	1	访问了超出范围的伺服 log 记录。	请修改设定。
85201b02		伺服 log 对象的内存分配失败。	5	无法预测的错误。伺服 log 对象的内存分配失败。	请将错误编号与错误名告知本公司服务部。
81201b03		伺服 log 抽样时间设定了超出范围的值。	1	伺服 log 抽样时间设定了超出范围的值。	设定值为 1,2,4,8。请修改设定值。
81201b04		该伺服 log 记录时间无效。	1	伺服 log 记录时间设定了超出范围的值。	设定值的范围为:10 ～ 60。请修改设定值。
81201b05		访问了超出范围的伺服 log 页。	1	访问了超出范围的伺服 log 页。	请修改设定。
83201b06		在伺服 log 记录过程中无法执行。	3	执行了在伺服 log 记录过程中被禁止的操作。	请停止伺服 log 后再执行。
83201b07		请在开始伺服 log 记录后执行。	3	执行了只支持在伺服 log 记录过程中执行的操作。	请使伺服 Log 记录开始后再执行。
83201b08		该伺服 log 参数无效。	3	伺服 Log 设定了无效的参数。	可能设定了允许范围以外的设定值。请修改设定值。
81201b09		访问了超出范围的伺服 Log 数据项目。	1	访问了超出范围的伺服 Log 数据项目。	请修改设定。
83201b81		Two buttons were pushed when joint mode cooperation control.	3	Two buttons were pushed when joint mode cooperation control .	请修改设定。
83201b82		Coordinate control-target joint does not exist.	3	The joint you specified for the Coordinate control target does not exist.	请修改设定。
83201b83		This command cannot be used with the cooperative motion.	3	This command cannot be used with SyncMove option, or this command is not supported by PTP move.	Revise the program.

错码	RC7 编码	信息	等级	说明	恢复处理
83201b84		The same robot was chosen.	3	The same robot was chosen	Revise the program.
83201b85		Position settling time over	3	The encoder value did not reach the target position within the time limit.	The robot arm might be vibrating. Revise the motion speed and the settling time.
81201b86		Different pass start displacement distance is specified.	1	Different pass start displacement distance is specified.	Set pass start displacement distance again.
83201b87		The motion time gap occurred between robots in the motion time synchronization process.	3	The motion time gap occurred in the motion time synchronization process.	If the robot is stopped, reset the program and try again.
82201b88		You cannot switch single robot move to cooperative or synchronous move when an intrusion is detected in the exclusive area	2	Combination of robots cannot be changed when an intrusion is detected in the exclusive area	Move robot to the no instrusion area by single robot move and try again.
82201b89		You cannot switch cooperative or synchronous move to single robot move when an intrusion is detected in the exclusive area	2	Combination of robots cannot be changed when an intrusion is detected in the exclusive area	Move robot to the no instrusion area by cooperative or synchronous move and try again.
82201b8a		You cannot change a combination of robots for cooperative or synchronous move when an intrusion is detected in the exclusive area	2	Combination of robots cannot be changed when an intrusion is detected in the exclusive area	Move robot to the no instrusion area by a combination same as exclusion area instrusion time and try again.
83201c01		The number of estimation motion are too many.	3	The number of the estimation motion exceeded the limit.	Revise the setting.
83201c02		The number of sequence are incorrect.	3	Sequence number is out of range.	Revise the setting.
83201c03		You cannot estimate specifying the tip load setting.	3	Specified value cannot be estimated.	Revise the setting.
83201c04		Failed to log acquisition of estimation operation.	3	Failed to save data necessary for the load estimation.	Revise the robot motion.
83201c05		Specified joint speed is invalid	3	Load estimation speed setting is invalid.	Revise the setting.
85201c81		Failed to initialize EtherCAT Motion	5	Failed to initialize EtherCAT connection.	Confirm that the EtherCAT cable is property connected. After confirmation, reboot the robot controller. If the error still occurs, please contact DENSO WAVE service.

错码	RC7 编码	信息	等级	说明	恢复处理
85201c82		Failed to initialize EtherCAT Motion	5	Initialization EtherCAT connection timeout.	Please check the followings. - The breaking down of a wire. - The power of EhterCAT slave devices. - Order of EhterCAT slave devices.
85201c83		Failed to initialize EtherCAT Motion	5	The state of EtherCAT is not equal to OP.	Confirm that the EtherCAT cable is property connected. After confirmation, reboot the robot controller. If the error still occurs, please contact DENSO WAVE service.
85201c84		Failed to initialize EtherCAT Motion	5	Failed to construct the object dictionary.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c85		The number of EtherCAT slave devices is different to a setting	5	The number of EtherCAT slave devices is different to a setting.	Please check EtherCAT connection.
85201c86		EtherCAT slave controller is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85201c87		Failed to initialize EtherCAT Motion	5	EtherCAT command processing failed.	Confirm that the EtherCAT cable is property connected. After confirmation, reboot the robot controller. If the error still occurs, please contact DENSO WAVE service.
85201c88		Failed to initialize EtherCAT Motion	5	The state of EtherCAT is not equal to SAFEOP.	Please check the followings. - The breaking down of a wire. - The power of EhterCAT slave devices. - Order of EhterCAT slave devices.
85201c89		Failed to check EtherCAT Motion connection	5	Main port is connected to nothinig.	Please check EtherCAT connection. When it is connected to the redundacy port (RED CH1), please be connected to the main port (MAIN CH0).
85201c8a		Failed to check EtherCAT Motion connection	5	Cutting of redundancy connection middle is detected.	Please check EtherCAT connection.
85201c8b		Failed to initialize EtherCAT Motion	5	Unsupport memory layout.	请将错误编号与错误名告知本公司服务部。
82201c8c		EtherCAT Motion connection is redundancy.	2	Redudancy connection setting is disable, but redudancy connection is detected.	Please check EtherCAT connection.

错码	RC7 编码	信息	等级	说明	恢复处理
82201c8d		EtherCAT Motion connection is not redundancy.	2	Redudancy connection setting is enable, but redudancy connection is not detected.	Please check EtherCAT connection.
85201c8e		EtherCAT slave controller is reversely connected	5	EtherCAT slave controller is reversely connected.	Please check EtherCAT connection.
85201c8f		EtherCAT slave controller is not connected	5	EtherCAT slave controller is not connected.	Please check EtherCAT connection.
85201c91		EtherCAT Motion internal command error	5	EtherCAT Motion internal command number is unexpected.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c92		Invalid EtherCAT Motion data size	5	Invalid EtherCAT Motion data size.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c93		Failed to start EtherCAT Motion	5	Failed to start EtherCAT Motion.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c94		Failed to communicate to start EtherCAT Motion	5	Failed to communicate to start EtherCAT Motion.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c95		Failed to stop EtherCAT Motion	5	Failed to stop EtherCAT Motion.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c96		Failed to communicate to stop EtherCAT Motion	5	Failed to communicate to stop EtherCAT Motion.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c97		Failed to read CoE data	5	Failed to read CoE data.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c98		Failed to communicate to read CoE data	5	Failed to communicate to read CoE data.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c99		Failed to write CoE data	5	Failed to write CoE data.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c9a		Failed to communicate to write CoE data	5	Failed to communicate to write CoE data.	请再次启动机器人控制器。 仍然发生时，请联系本公司。
85201c9b		Failed to communicate EtherCAT Motion	5	Failed to communicate EtherCAT Motion.	请再次启动机器人控制器。 仍然发生时，请联系本公司。

错码	RC7 编码	信息	等级	说明	恢复处理
85201f81		该参数无效。	5	无法预测的错误。系统内使用了非法的参数。	请将错误编号与错误名告知本公司服务部。
85201f82		内存分配失败。	5	无法预测的错误。系统内内存分配失败。	请将错误编号与错误名告知本公司服务部。
83201f83		处理失败。	3	无法预测的错误。系统内执行了非法操作。	请将错误编号与错误名告知本公司服务部。
83201f84		未安装。	3	无法预测的错误。调用了系统内未安装的处理。	请将错误编号与错误名告知本公司服务部。
85201f85		发生意外错误。	5	无法预测的错误。系统内执行了未预期的处理。	请将错误编号与错误名告知本公司服务部。
83201f86		该接口不存在。	3	无法预测的错误。系统内执行了未预期的处理。	请将错误编号与错误名告知本公司服务部。
83201f87		光标非法。	3	无法预测的错误。系统内使用了非法的光标。	请将错误编号与错误名告知本公司服务部。
83201f88		手柄操作非法。	3	无法预测的错误。系统内使用了非法的手柄操作。	请将错误编号与错误名告知本公司服务部。
83201f89		处理中断。	3	无法预测的错误。系统内的处理中断。	请将错误编号与错误名告知本公司服务部。
83201f8a		拒绝访问。	3	无法预测的错误。系统内的访问被拒绝。	请将错误编号与错误名告知本公司服务部。
83201f8b		完成该操作所需的数据尚不能使用。	3	无法预测的错误。系统内处理未完成。	请将错误编号与错误名告知本公司服务部。
83201f8c		当前版本无法执行。	3	当前版本不支持该功能的运行。	当前版本不支持该功能的运行。
83201f8d		数值超出范围。	3	指定值有误。	请修改指定值，指定适当的值。
81201f8e		无法使用。	1	无法使用。	无法使用。请参照手册。
82201f8f		b-CAP connection failed	2	b-CAP connection failed. b-CAP communication setting might have a problem.	请修改 b-Cap 通信的设置情况。
82201f91		Specified b-CAP connection option is invalid.	2	指定值有误。	请修改指定值，指定适当的值。
82201f92		b-CAP connection timeout	2	b-CAP connection failed. b-CAP communication might be disconnected.	请确认 b-Cap 通信是否成功建立。
85201f93		Level5 error has been issued.	5	Tried to execute command while level 5 error has been issued.	Restart the controller. If the error still occurs, please contact to DENSO WAVE service.
82204011		1 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204012		2 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204013		3 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204014		4 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204015		5 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204016		6 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。

错码	RC7编码	信息	等级	说明	恢复处理
82204017		7 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204018		8 轴:超出软件限制。	2	在手动操作中，试图向软件限制以外的位置移动。	通过手动各轴操作可返回软件限制内的位置。
82204021		1 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204022		2 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204023		3 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204024		4 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204025		5 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204026		6 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204027		7 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。
82204028		8 轴:指令速度过快。	2	在手动操作中，生成了超出速度极限值的指令值。	机器人可能正在通过特异点附近。有时通过降低外部速度，或者切换手动各轴操作，可在不报错的情况下实现动作。

错码	RC7 编码	信息	等级	说明	恢复处理
83204031		1 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204032		2 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204033		3 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204034		4 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204035		5 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204036		6 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204037		7 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
83204038		8 轴:编码器值确认动作超时。	3	在一定时间内发生异常的轴的编码值未达到目标值。	机器人的手指可能出现振动。请修改动作速度及整定时间的设置等。
84204041		1 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204042		2 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204043		3 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204044		4 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。

错码	RC7编码	信息	等级	说明	恢复处理
84204045		5 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204046		6 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204047		7 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204048		8 轴:指令加速度过快。	4	生成了超出加速度极限值的指令值，所有轴紧急停止，电机关闭。	机器人可能正在通过特异点附近。有时通过降低外部、内部速度及加速度，可在不报错的情况下实现动作。
84204051		1 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204052		2 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204053		3 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204054		4 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204055		5 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204056		6 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204057		7 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。
84204058		8 轴:发送指令速度过快。	4	试图向伺服模块发送超出了速度极限值的指令值，所有轴紧急停止，电机关闭。	无法预测的错误。当系统处于子局模式时，请确认来自主局侧的指令值发送是否正常。

错码	RC7 编码	信息	等级	说明	恢复处理
84204061		1 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204062		2 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204063		3 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204064		4 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204065		5 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204066		6 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。

错码	RC7 编码	信息	等级	说明	恢复处理
84204067		7 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
84204068		8 轴:指令速度过快。	4	生成了超出速度极限值的指令值，所有轴紧急停止，电机关闭。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	有时通过设定最佳可搬运模式有效，或者降低动作速度，可在不报错的情况下实现动作。
83204071		1 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204072		2 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204073		3 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204074		4 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204075		5 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204076		6 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204077		7 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。
83204078		8 轴:超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	通过手动各轴操作可返回软件限制内的位置。

错码	RC7 编码	信息	等级	说明	恢复处理
84204081		1 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204082		2 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204083		3 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204084		4 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204085		5 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。

错码	RC7 编码	信息	等级	说明	恢复处理
84204086		6 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204087		7 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204088		8 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204091		1 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204092		2 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。

错码	RC7 编码	信息	等级	说明	恢复处理
84204093		3 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204094		4 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204095		5 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204096		6 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
84204097		7 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。

错码	RC7 编码	信息	等级	说明	恢复处理
84204098		8 轴:指令速度过快。	4	虽然对速度采取了自动减速，但现在生成了因未能成功减速而超出了速度极限值的指令值。已紧急停止所有移动轴，并关闭电机。执行 CP 动作或通过动作等时，为了实现目标手指位置、姿势，有时各轴会发生急剧变化。	虽然已设定速度的自动减速功能有效，但当前仍处于无法成功减速的状态，所以请修改动作速度或动作目标位置。
842040A1		J1 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A2		J2 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A3		J3 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A4		J4 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A5		J5 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A6		J6 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A7		J7 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
842040A8		J8 command speed limit over	4	Generated command value exceeded the speed limit. All joints were Emergency-stopped and the motor power was turned OFF.	The error might be avoided by reducing the motion speed.
832040B1		1 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B2		2 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。

错码	RC7 编码	信息	等级	说明	恢复处理
832040B3		3 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B4		4 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B5		5 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B6		6 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B7		7 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040B8		8 轴:电机过载。	3	在一定时间内，流向电机的电流累计值超出了允许值。	请修改机器人的动作。
832040C1		1 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C2		2 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C3		3 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C4		4 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C5		5 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C6		6 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C7		7 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040C8		8 轴:激励器单元过载。	3	流向激励器单元的电流累计值超出了允许值。	请修改机器人的动作。
832040D1		1 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D2		2 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D3		3 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D4		4 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D5		5 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D6		6 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040D7		7 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。

错码	RC7 编码	信息	等级	说明	恢复处理
832040D8		8 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E1		1 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E2		2 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E3		3 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E4		4 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E5		5 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E6		6 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E7		7 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
832040E8		8 轴:锁定过载。	3	停止时有过大的电流流向电机。	请修改机器人的动作。
842040F1		1 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F2		2 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F3		3 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F4		4 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F5		5 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F6		6 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F7		7 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
842040F8		8 轴:正在解除制动器。	4	进行了解除制动器时不能执行的操作。	请在制动器锁定状态下重新执行。
83204111		1 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204112		2 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。

错码	RC7 编码	信息	等级	说明	恢复处理
83204113		3 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204114		4 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204115		5 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204116		6 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204117		7 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
83204118		8 轴:编码器基准位置异常。	3	有时在机器人运行过程中关闭电源时，会发生编码器基准位置出现异常的情况。	请将发生基准位置异常的轴移向基准位置，并通过目测判断机器人的位置是否发生错位。 如无问题，请清除编码器基准位置异常。如有错位，则需将对象轴重新 CALSET。
81204121		1 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。

错码	RC7编码	信息	等级	说明	恢复处理
81204122		2 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204123		3 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204124		4 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204125		5 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204126		6 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204127		7 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
81204128		8 轴:指定位置超出软件限制。	1	指定位置超出软件限制。在执行 T2J(),P2J(),J2T(),J2P()指令时发生。	请确认指定的位置。
83204231		1 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204232		2 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204233		3 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204234		4 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204235		5 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204236		6 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。

错码	RC7编码	信息	等级	说明	恢复处理
83204237		7 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
83204238		8 轴:指定位置超出软件限制。	3	由于在运行过程中试图向软件限制以外的位置移动，所有轴暂停运行，电机关闭。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204241		1 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204242		2 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204243		3 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204244		4 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204245		5 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204246		6 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204247		7 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
82204248		8 轴:指定位置超出软件限制。	2	在手动模式下试图向软件限制以外的位置移动，暂停运行所有轴。	现已无法继续向目标方向移动，请执行向其相反方向移动的操作。
84204251		1 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204252		2 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204253		3 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。

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84204254		4 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204255		5 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204256		6 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204257		7 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
84204258		8 轴:直接模式下的指令速度过快。	4	检测出了在直接模式下超出速度极限值的速度。	请确保直接模式下的各轴操作，在速度限制值范围内进行。
82204261		1 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204262		2 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204263		3 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204264		4 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204265		5 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204266		6 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204267		7 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
82204268		8 轴:碰撞检测(手动时)	2	手动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
83204271		1 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204272		2 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204273		3 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204274		4 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204275		5 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204276		6 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204277		7 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204278		8 轴:碰撞检测(表 1)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204281		1 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204282		2 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204283		3 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204284		4 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204285		5 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
83204286		6 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204287		7 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204288		8 轴:碰撞检测(表 2)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204291		1 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204292		2 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204293		3 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204294		4 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204295		5 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204296		6 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204297		7 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204298		8 轴:碰撞检测(表 3)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A1		1 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A2		2 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
832042A3		3 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A4		4 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A5		5 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A6		6 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A7		7 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042A8		8 轴:碰撞检测(表 4)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B1		1 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B2		2 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B3		3 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B4		4 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B5		5 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B6		6 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042B7		7 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
832042B8		8 轴:碰撞检测(表 5)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C1		1 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C2		2 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C3		3 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C4		4 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C5		5 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C6		6 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C7		7 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042C8		8 轴:碰撞检测(表 6)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D1		1 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D2		2 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D3		3 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D4		4 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
832042D5		5 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D6		6 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D7		7 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042D8		8 轴:碰撞检测(表 7)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E1		1 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E2		2 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E3		3 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E4		4 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E5		5 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E6		6 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E7		7 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042E8		8 轴:碰撞检测(表 8)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F1		1 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
832042F2		2 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F3		3 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F4		4 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F5		5 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F6		6 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F7		7 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
832042F8		8 轴:碰撞检测(表 9)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204301		1 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204302		2 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204303		3 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204304		4 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204305		5 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204306		6 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。

错码	RC7 编码	信息	等级	说明	恢复处理
83204307		7 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
83204308		8 轴:碰撞检测(表 10)	3	自动时检测出碰撞。	请确认机器人是否发生碰撞。如检测结果过多，请提高检测水平。
84204311		J1 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204312		J2 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204313		J3 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204314		J4 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204315		J5 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204316		J6 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204317		J7 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
84204318		J8 command accel limit over	4	Gegerated command value exceeded the acceleration limit. All joints were Emergency-stopped and motor power was turned OFF.	The error might be avoided by reducing internal and external speed and accel.
83204321		J1 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204322		J2 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204323		J3 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.

错码	RC7 编码	信息	等级	说明	恢复处理
83204324		J4 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204325		J5 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204326		J6 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204327		J7 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
83204328		J8 joint position deviation error (force control)	3	Each joint exceeded the allowable deviation limit while the force control was ON.	Revise the setting.
82204331		J1 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
82204332		J2 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.

错码	RC7 编码	信息	等级	说明	恢复处理
82204333		J3 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
82204334		J4 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
82204335		J5 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
82204336		J6 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.

错码	RC7 编码	信息	等级	说明	恢复处理
82204337		J7 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
82204338		J8 Collision detected	2	Robot collision was detected.	Please turn off the motor and operate the robot away from contact state by direct mode. If you operate the robot away from the state by manual mode, please disable detection of the detected axis. When misdetection occur, please confirm payload setting and detectionlevel. If misdetection stil occur, please raise the detection level or disable detection.
84204341		J1 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204342		J2 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204343		J3 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204344		J4 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204345		J5 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204346		J6 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204347		J7 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
84204348		J8 You cannot start collision detection	4	Collision detection function could not be enabled because large load was detected when motor ON.	Check whether the load is applied to the robot. Payload setting or Detectionlevel may be incorrect.
80204351		J1 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset

错码	RC7 编码	信息	等级	说明	恢复处理
80204352		J2 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204353		J3 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204354		J4 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204355		J5 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204356		J6 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204357		J7 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
80204358		J8 The number of Motor Rotation is over limit of data retention	0	The number of Motor Rotation is over limit of data retention	Execute PosClr or Calset
84204361		J1 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204362		J2 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204363		J3 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204364		J4 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.

错码	RC7 编码	信息	等级	说明	恢复处理
84204365		J5 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204366		J6 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204367		J7 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
84204368		J8 You cannot excute CALSET.	4	You cannot excute CALSET, because it has not reached mechanical end.	Move each axis to the mechanical end and execute CALSET again. When moving to CALSET position automatically, review the PayLoad setting. If the error still occurs, please contact DENSO WAVE service.
83205001		J1 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205002		J2 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205003		J3 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205004		J4 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205005		J5 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205006		J6 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205007		J7 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205008		J8 Encoder connection port failure (Robot port)	3	Incorrect encoder is connected to Encoder hub's robot port.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205011		J1 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205012		J2 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205013		J3 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205014		J4 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205015		J5 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205016		J6 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205017		J7 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205018		J8 Encoder connection port failure (Port1)	3	Incorrect encoder is connected to Port 1 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205021		J1 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205022		J2 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205023		J3 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205024		J4 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205025		J5 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205026		J6 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205027		J7 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205028		J8 Encoder connection port failure (Port2)	3	Incorrect encoder is connected to Port 2 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205031		J1 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205032		J2 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205033		J3 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205034		J4 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205035		J5 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205036		J6 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205037		J7 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205038		J8 Encoder connection port failure (Port3)	3	Incorrect encoder is connected to Port 3 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205041		J1 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205042		J2 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205043		J3 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205044		J4 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205045		J5 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205046		J6 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205047		J7 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205048		J8 Encoder connection port failure (Port4)	3	Incorrect encoder is connected to Port 4 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205051		J1 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205052		J2 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205053		J3 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205054		J4 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205055		J5 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205056		J6 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205057		J7 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205058		J8 Encoder connection port failure (Port5)	3	Incorrect encoder is connected to Port 5 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205061		J1 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205062		J2 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205063		J3 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205064		J4 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205065		J5 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205066		J6 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205067		J7 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205068		J8 Encoder connection port failure (Port6)	3	Incorrect encoder is connected to Port 6 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205071		J1 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205072		J2 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205073		J3 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205074		J4 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205075		J5 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205076		J6 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205077		J7 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205078		J8 Encoder connection port failure (Port7)	3	Incorrect encoder is connected to Port 7 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205081		J1 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205082		J2 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205083		J3 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205084		J4 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83205085		J5 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205086		J6 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205087		J7 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205088		J8 Encoder connection port failure (Port8)	3	Incorrect encoder is connected to Port 8 of Encoder hub.	If the encoder ID has not been configured, check the encoder hub connection and then configure the encoder ID. Otherwise, turn OFF the robot controller, check the encoder signal lines, and then turn ON the robot controller.
83205091		J1 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
83205092		J2 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
83205093		J3 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
83205094		J4 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
83205095		J5 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
83205096		J6 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
83205097		J7 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
83205098		J8 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A1		J1 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A2		J2 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A3		J3 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
832050A4		J4 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A5		J5 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A6		J6 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A7		J7 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050A8		J8 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
832050B1		J1 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B2		J2 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B3		J3 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B4		J4 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B5		J5 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
832050B6		J6 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B7		J7 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050B8		J8 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C1		J1 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C2		J2 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
832050C3		J3 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C4		J4 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C5		J5 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C6		J6 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
832050C7		J7 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.

错码	RC7 编码	信息	等级	说明	恢复处理
832050C8		J8 Different type encoder is connected	3	Encoder data cannot be received because wrong encoder type is connected.	If the wrong connection is found in the robot joint, the robot does not match with the controller. Connect the proper controller with the robot. If the wrong connection is found in the encoder hub, the port connection or the motor configuration might be incorrect. Check the encoder hub connection and the motor configuration.
85205C01		J1 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C02		J2 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C03		J3 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C04		J4 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C05		J5 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C06		J6 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C07		J7 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C08		J8 EtherCAT slave device is misconnected	5	The order of EtherCAT slave devices is wrong. Or unexpected EtherCAT slave device is connected.	Please check EtherCAT connection.
85205C11		J1 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C12		J2 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.

错码	RC7编码	信息	等级	说明	恢复处理
85205C13		J3 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C14		J4 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C15		J5 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C16		J6 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C17		J7 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C18		J8 EtherCAT slave device is reversely connected	5	EtherCAT slave device is reversely connected.	Please check EtherCAT connection.
85205C21		J1 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C22		J2 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C23		J3 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C24		J4 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C25		J5 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C26		J6 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C27		J7 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
85205C28		J8 EtherCAT slave device is not connected	5	EtherCAT slave device is not connected	Please check EtherCAT connection.
83206001		Failed to communicate to Force sensor.(COM1)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206002		Failed to communicate to Force sensor.(COM2)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206003		Failed to communicate to Force sensor.(COM3)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206004		Failed to communicate to Force sensor.(COM4)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.

错码	RC7 编码	信息	等级	说明	恢复处理
83206005		Failed to communicate to Force sensor.(COM5)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206006		Failed to communicate to Force sensor.(COM6)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206007		Failed to communicate to Force sensor.(COM7)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206008		Failed to communicate to Force sensor.(COM8)	3	Failed to communicate with a Force sensor	Please check connection of a force sensor and a controller.
83206011		Force sensor data error(COMM:1)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206012		Force sensor data error(COMM:2)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206013		Force sensor data error(COMM:3)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206014		Force sensor data error(COMM:4)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206015		Force sensor data error(COMM:5)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206016		Force sensor data error(COMM:6)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206017		Force sensor data error(COMM:7)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206018		Force sensor data error(COMM:8)	3	The force sensor data was not updated during the force control operation.	Please check connection between a force sensor and a controller. Avoid electric noise by placing the noise source away.
83206021		Failed to connect to Force sensor.(COMM:1)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206022		Failed to connect to Force sensor.(COMM:2)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor

错码	RC7 编码	信息	等级	说明	恢复处理
83206023		Failed to connect to Force sensor.(COMM:3)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206024		Failed to connect to Force sensor.(COMM:4)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206025		Failed to connect to Force sensor.(COMM:5)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206026		Failed to connect to Force sensor.(COMM:6)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206027		Failed to connect to Force sensor.(COMM:7)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
83206028		Failed to connect to Force sensor.(COMM:8)	3	Failed to communicate with a Force sensor	Check the connection with the force sensor
80206031		Failed to communicate to force sensor(COMM:1)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206032		Failed to communicate to force sensor(COMM:2)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206033		Failed to communicate to force sensor(COMM:3)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206034		Failed to communicate to force sensor(COMM:4)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206035		Failed to communicate to force sensor(COMM:5)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206036		Failed to communicate to force sensor(COMM:6)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206037		Failed to communicate to force sensor(COMM:7)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206038		Failed to communicate to force sensor(COMM:8)	0	Failed to communicate with a Force sensor	Check the connection between the force sensor and the controller.
80206041		Force sensor packet error(COMM:1)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206042		Force sensor packet error(COMM:2)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.

错码	RC7 编码	信息	等级	说明	恢复处理
80206043		Force sensor packet error(COMM:3)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206044		Force sensor packet error(COMM:4)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206045		Force sensor packet error(COMM:5)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206046		Force sensor packet error(COMM:6)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206047		Force sensor packet error(COMM:7)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206048		Force sensor packet error(COMM:8)	0	Received invalid force sensor communication packet.	Check the connection between the force sensor and the controller. Avoid electric noise by placing the noise source away.
80206051		Force sensor data reception timeout(COMM:1)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206052		Force sensor data reception timeout(COMM:2)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206053		Force sensor data reception timeout(COMM:3)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.

错码	RC7 编码	信息	等级	说明	恢复处理
80206054		Force sensor data reception timeout(COMM:4)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206055		Force sensor data reception timeout(COMM:5)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206056		Force sensor data reception timeout(COMM:6)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206057		Force sensor data reception timeout(COMM:7)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
80206058		Force sensor data reception timeout(COMM:8)	0	Failed to receive data from Force sensor within predetermined time.	Connection between the force sensor and the robot controller might have a problem. Or, the network load might be too high to receive the sensor data on time. In that case, arrange the network connection topology to reduce the effect of other network devices on the controller–force sensor communication.
83206061		The robot that you set as "Robot no connected to force sensor(1)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206062		The robot that you set as "Robot no connected to force sensor(2)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".

错码	RC7 编码	信息	等级	说明	恢复处理
83206063		The robot that you set as "Robot no connected to force sensor(3)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206064		The robot that you set as "Robot no connected to force sensor(4)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206065		The robot that you set as "Robot no connected to force sensor(5)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206066		The robot that you set as "Robot no connected to force sensor(6)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206067		The robot that you set as "Robot no connected to force sensor(7)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".
83206068		The robot that you set as "Robot no connected to force sensor(8)" is not found.	3	The assignment of "Robot no connected to force sensor" is invalid.	Check the configuration of "Robot no connected to force sensor".