

Safely-limited torque (SLT)

- Safety goal

Table. 1 Safety goal for the Safely-limited torque

Safety Function	Safely-limited torque (SLT)
Safe State	STO state: Turn off the torque applied to the motor. SOS state: Robot stop state monitoring.
Mean time to dangerous failure (MTTFd)	10 years < MTTFd < 30 years
Diagnostic Coverage Average (DCave)	DCave > 60 %
Common Cause Failure (CCF)	Score : 65 or better
Safety function Response time (SRT)	930ms(Max)

- Function description

This function monitors the torque of each motor and turns the safe state when the value exceeds the specified value.

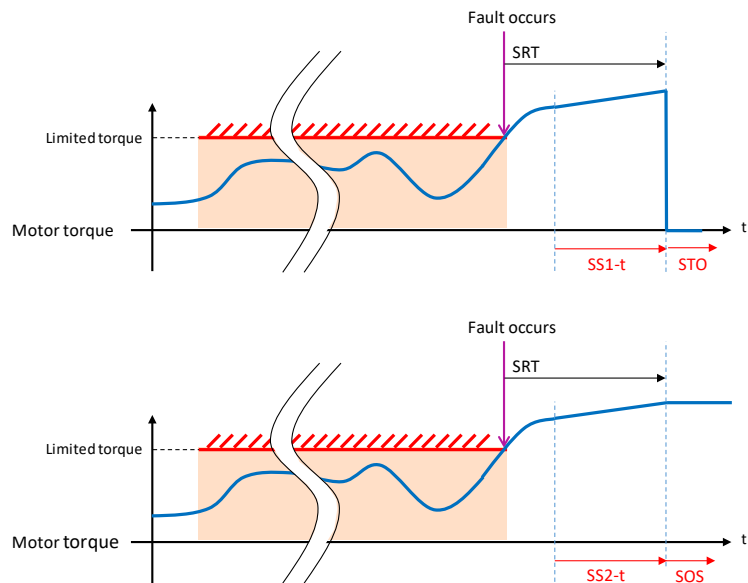


Fig. 1 Safety function response time of Safely-limited torque