

Safely-limited position (SLP)

- Safety goal

Table 1 Safety goal for the Safely-limited position

Safety Function	Safely-limited position (SLP)
Safe State	STO state: Turn off the torque applied to the motor.
Mean time to dangerous failure (MTTFd)	10 years < MTTFd < 30 years
Diagnostic Coverage Average (DCave)	DCave > 90%
Common Cause Failure (CCF)	Score : 65 or better
Safety function Response time (SRT)	50ms(Max)

- Function description

This function monitors motors on respective axes so that they do not exceed the predetermined motion range (Pmin to Pmax).

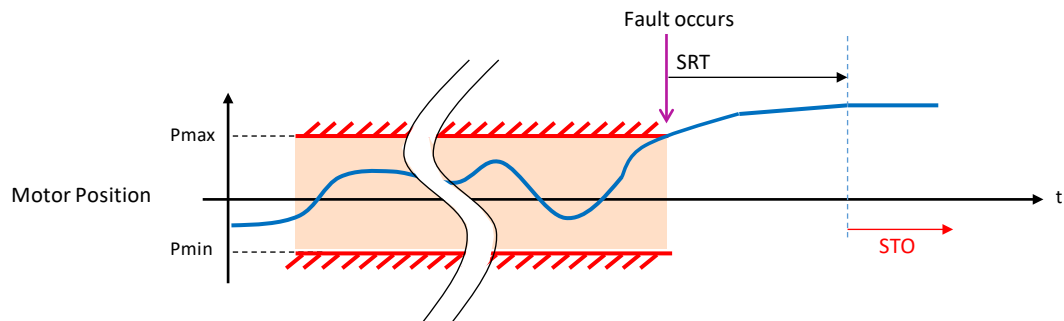


Fig. 1 Safety function response time of Safely-limited position