

Safe stop 1 (SS1)

- Safety goal

Table 1 Safety goal for the Safe stop 1

Safety Function	Safe stop 1 (SS1)
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 > 60 %
Common Cause Failure (CCF)	Score : 65 or better
Safety function Response time (SRT)	930ms(Max)

- Function description

Once the SS1 turns on, the system starts deceleration. When the specified time for checking the motion stop passes, the STO function runs, resulting in the shut-off of the motor energy.

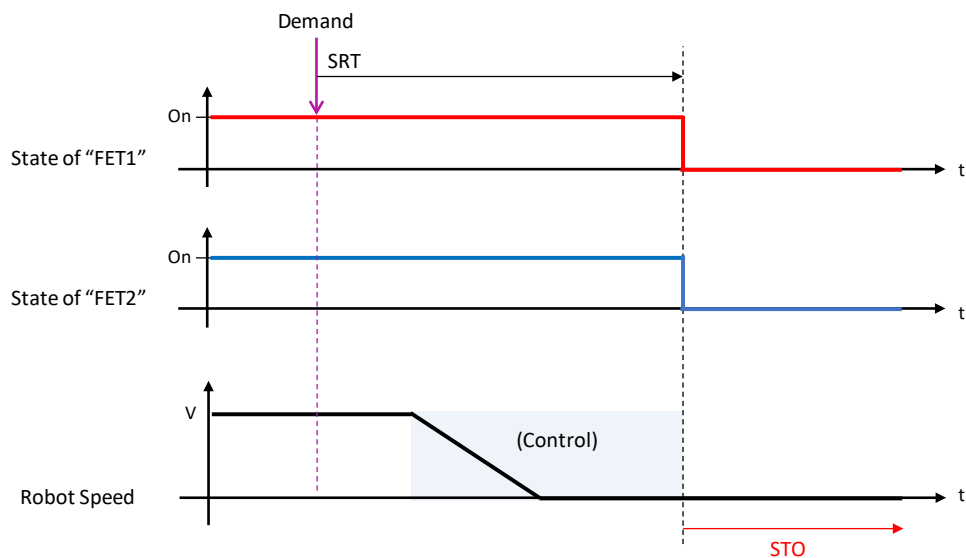


Fig. 1 Safety function response time of Safe stop 1