

TB178 (Rev1) - Servo Drive Shutdown Messages During EStop

Problem Description:

It is possible to get a 436 "Servo drive Shutdown" message when the estop button is depressed on systems with SD1 drives on the 4th and 5th axes. This problem does not affect the control and can be recovered by cycling the estop button multiple times.

Problem Background:

The problem is caused by the individual SD1 drives issuing an undervoltage alarm to the CPU in series. This series confuses the CPU and allows the Servo Drive Fault Bit 64 to be latched in the PLC table. Once latched, the Servo Drive Fault bit can only be cleared by cycling the estop button.

Resolution:

The "Servo Drive Shutdown" message appearing during an estop state can be cleared by pressing and releasing the estop in rapid succession, multiple times. Software releases after version 1.26 will not exhibit this problem.

Document History

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