

# Fault and Warning Messages

Any error message is displayed on the servo amplifier display. All error messages result in the opening of the OK relay contact (C5/11-12) and in the switching off of the servo amplifier final stage (motor torque). At the same time the motor-holding brake will be activated.

While the R type alarms are resettable by the user, the B type alarms are blockers. In the latter case, to reset the alarm, it must power off and on again the servo amplifier (24V auxiliary power and main power).

CODE	TYPE	MESSAGE	CAUSE
F00	B	Flash failure	Fault parameters flash memory
F01	R	Loaded default param.	Error in reading the user parameters
F02	R	Loaded default protected	Error in reading the tuning parameters
F03	-	Reserved	Reserved
F04	R	I <sup>2</sup> t drive	Achieved the maximum value of the servo amplifier I <sub>2t</sub>
F05	R	Overvoltage	Exceeded the maximum DC-link voltage
F06	R	Undervoltage	Intervention of the DC-Link voltage lower limit or qualification of the servo amplifier with DC-Link not yet active
F07	B	Power fail	Overcurrent or fault of the servo amplifier power stage.
F08	R	Heatsink temperature	Achieved the heatsink maximum temperature
F09	R	Motor temperature	Motor high temperature limit reached
F10	R	Regenerative resistance overload	Braking power limit reached
F11	R	Internal temperature	Unmanaged
F12	R	Overcurrent regenerative circuit	Overcurrent on braking circuit. Check the ohmic value of the resistor
F13	R	Overvoltage 24V	Achieved the maximum value of 24V auxiliary voltage.
F14	R	Undervoltage 24V	Achieved the minimum value of 24V auxiliary voltage.
F15	-	-	Unmanaged
F16	R	Brake	Malfunction of the mechanical brake. Detected a short circuit or a open circuit
F17	R	Fan	Unmanaged
F18	R	Phase loss	No current was detected in one of the motor's phase. Check wiring, connections and protection devices.
F19	R	Feedback	Problem in motor feedback. Check wiring and connectors
F20	R	Feedback initialization	Initialization of the feedback motor failed. Check wiring and connectors
F21	R	Current over range	The current output has exceeded the alarm threshold. Check gains K <sub>p</sub> and current T <sub>i</sub>
F22	-	Reserved	Reserved
F23	-	Reserved	Reserved
F24	-	Reserved	Reserved
F25	-	Reserved	Reserved
F26	-	Reserved	Reserved
F27	-	Reserved	Reserved
F28	-	Reserved	Reserved
F29	-	Reserved	Reserved
F30	R	STO	Safe Torque Off circuit is not ready. Verify enable sequences of the servo amplifier
F31	-	Reserved	Reserved

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