Error messages

This page lists the **error messages** of the Epulse50 servo drive. When an error occurs, the drive reports the message and disables the power stage — the motor produces no torque.

All error messages disable the converter final stage (the motor has no torque). Type R alarms can be reset by the user, type B alarms are blockers. In the latter case, to reset the alarm, the converter must be switched off and on again (C2-16, CONTROL SUPPLY) to reset the alarm.

CODICE	TIPO	DENOMINAZIONE	DESCRIZIONE
F00	B	Flash failure	Hw Fault FLASH memory parameters.
F01	R	Loaded default param.	User parameters reading fault.
F02	R	Loaded default protected	Factory parameters reading fault.
F03	-	riservato	riservato
F04	R	I^2t drive	Converter behavior when the maximum I^2t treshold is reached. P65 I2t settings: 0: Disable the converter once the threshold is reached 1: N.A. 2: When treshold is reached current is limited to In
F05	R	Overvoltage	DC-Link voltage has reached a dangerous limit.
F06	R	Undervoltage	DC-Link voltage goes under lower limit allowed.
F07	B	Power fail	Short circuit current on the output power stage.
F08	R	Heatsink temperature	Maximum allowed heatsink temperature is reached.
F09	R	Motor temperature	Maximum allowed motor windings temperature is reached.
F10	R	Regenerative resistance overload	Maximum load of regenerative resistence reached.
F11	R	Internal temperature	Maximum pcb temperature reached.
F12	R	Overcurrent regenerative circuit	N.A.
F13	R	Overvoltage 24V	N.A.
F14	R	-	N.A.
F15	-	-	N.A.
F16	R	Brake	Mechanical brake anomaly. Check break winding impedance and connection.
F17	R	-	N.A.
F18	R	-	N.A.
F19	R	Feedback	Feedback motor error.
F20	R	Feedback inizialization	Feedback initialization error.
F21	R	Curren over range	tCurrent exceeded the maximum allowed limit, decrease current Kp.
F22	-	reserved	N.A.
F23	-	reserved	N.A.
F24	-	reserved	N.A.
F25	-	reserved	N.A.
F26	R	Can Bus	Can communication interrupted.
F27	-	reserved	N.A.
F28	-	reserved	N.A.
F29	-	reserved	N.A.
F30	R	-	N.A.
F31	-	riservato	Non gestito

Reading the error table

- The table lists the error codes, the alarm type (R = resettable, B = blocking), and the cause and remedy. - **Type R** alarms can be acknowledged and reset by the user after the cause has been removed. - **Type B** alarms require a power cycle (switching the control supply off and on) to reset. - Always remove the root cause before resetting the alarm; a repeated alarm indicates an unresolved fault.

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