



EL9410 | Power supply terminal for E-bus, with diagnostics

The EL9410 power supply terminal is used to refresh the E-bus. Data is exchanged between the coupler and the EtherCAT Terminal over the E-bus. Each terminal draws a certain amount of current from the E-bus (see "current consumption E-bus" in the technical data). This current is fed into the E-bus by the relevant coupler's power supply unit. In configurations with a large number of terminals it is possible to use the EL9410 in order to supply an extra 2 A to the E-bus. The EL9410 has a diagnostic function which is displayed by LED and on the process image.

Technical data	EL9410
Technology	power supply terminal
Short-circuit-proof	yes
Input voltage	24 V DC
Input current	approx. 70 mA + (E-bus/4)
Output voltage	5 V for E-bus supply
Output current	2 A
Current consumption E-bus	–
Electrical isolation	500 V (E-bus/field potential)
Insulation voltage input/output	–
Power contacts	24 V DC max./10 A max.
Diagnostics in the process image	yes
Special features	standard EL supply
Weight	approx. 65 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex