



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 (-15 %/+20 %) |
| Input current | typ. 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 | max. 24 V DC/max. 10 A |
| 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 |