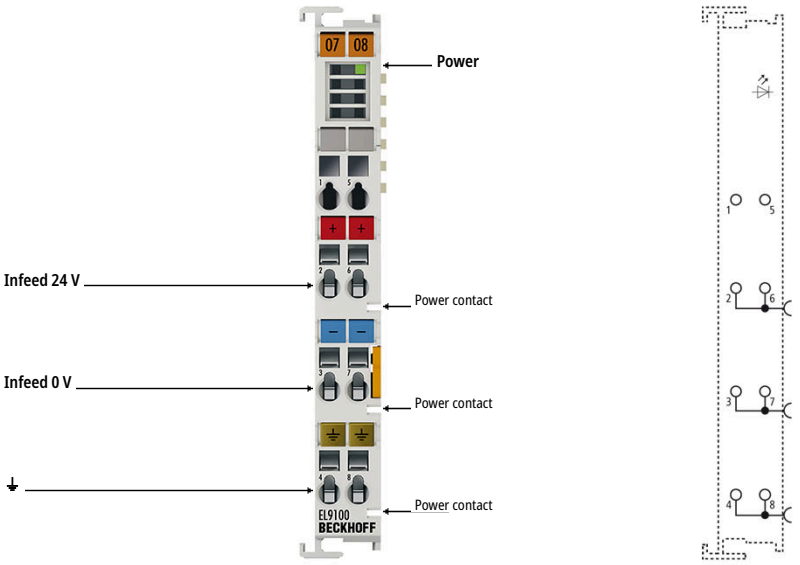
# EL9100 | EtherCAT Terminal, potential supply, 24 V DC, 10 A

Image similar, may contain optional accessories




EL9100 | EtherCAT Terminal, potential supply, 24 V DC, 10 A

**Product status:** regular delivery

The EL9100 potential feed terminal enables the setup of different potential groups with the standard voltage 24 V DC. The supply voltage is taken up via the front terminal contacts and passed through to the adjacent terminals via the internal power contacts. The E-bus is passed through in the usual way to the adjacent terminal. A Power LED indicates the operating state.

## Product information

### Technical data

| Technical data | EL9100 |
|---|---|
| **Technology** | potential supply terminal |
| **Current load** | ≤ 10 A |
| **Power LED** | green |
| **Renewed infeed** | yes |
| **Nominal voltage** | 24 V DC |
| **Electrical isolation** | 500 V (E-bus/field potential) |
| **Connection facility to additional power contact** | 1 |

| Technical data | EL9100 |
|---|---|
| Bit width in the process image | 0 |
| Housing width | 12 mm |
| Side by side mounting on EtherCAT Terminals with power contact | yes |
| Side by side mounting on EtherCAT Terminals without power contact | yes |
| Weight | approx. 50 g |
| Operating temperature | -25…+60°C |
| Storage temperature | -40…+85°C |
| Pluggable wiring level | for all ESxxxx terminals |
| Approvals/markings | CE, CCC, UL, ATEX, IECEx, cFMus |
| Ex marking | ATEX:<br>II 3G Ex ec IIC T4 Gc<br>IECEx:<br>Ex ec IIC T4 Gc<br>cFMus:<br>Class I, Division 2, Groups A, B, C, D<br>Class I, Zone 2, AEx ec IIC T4 Gc |

| Housing data | EL-12-8pin | ES-12-8pin |
|---|---|---|
| Design form | compact terminal housing with signal LEDs | terminal housing with pluggable wiring level |
| Material | polycarbonate | |
| Installation | on 35 mm DIN rail, conforming to EN 60715 with lock | |
| Side by side mounting by means of | double slot and key connection | |
| Marking | labeling of the BZxxxx series | |
| Wiring | solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver | |
| Connection cross-section | s*: 0.08…2.5 mm², st*: 0.08…2.5 mm², f*: 0.14…1.5 mm² | s*: 0.08…1.5 mm², st*: 0.08…1.5 mm², f*: 0.14…1.5 mm² |
| Connection cross-section AWG | s*: AWG28…14, st*: AWG28…14, f*: AWG26…16 | s*: AWG28…16, st*: AWG28…16, f*: AWG26…16 |
| Stripping length | 8…9 mm | 9…10 mm |
| Current load power contacts | $I_{max}$: 10 A | |
| Dimensions (W x H x D) | 12 mm x 100 mm x 68 mm | |

*s: solid wire; st: stranded wire; f: with ferrule

## Ordering information

| Ordering information | |
|---|---|
| **EL9100** | EtherCAT Terminal, potential supply, 24 V DC, 10 A |
| **ES9100** | EtherCAT Terminal, potential supply, 24 V DC, 10 A, pluggable wiring level |

## Material Compliance

| Material compliance | EL9100 |
|---|---|
| **REACH SVHC** | no |
| **POP** | compliant |
| **RoHS** | compliant with exemption |
| **RoHS exemption** | 7c-I: Lead-containing electrical and electronic components in glass and ceramic materials, excluding dielectric ceramics in capacitors |
| **China-RoHS** | www.beckhoff.com/china-rohs-io |
| **CA Prop65** | www.beckhoff.com/prop65 |
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