

# EL9110 | Potential supply terminal, 24 V DC, with diagnostics

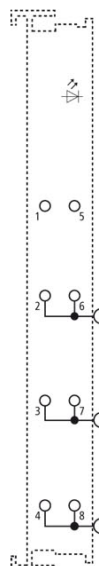
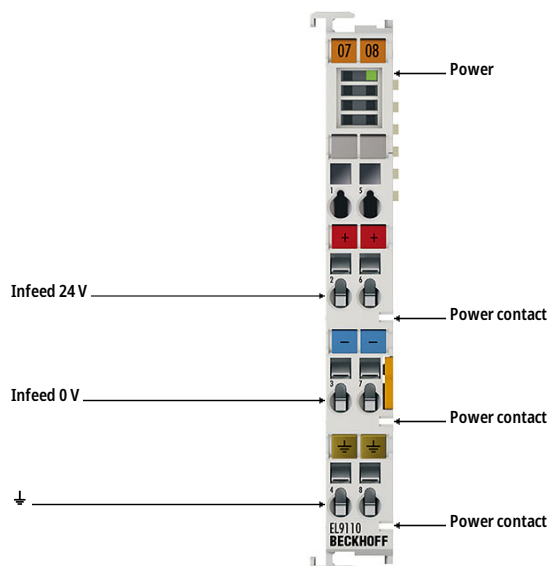


Image similar, may contain optional accessories

**i** **Product status:** regular delivery

The EL9110 potential feed terminal with diagnostics 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. To monitor the supply voltage, the EL9110 reports the status of the feed terminal to the EtherCAT coupler. A Power LED indicates the operating state.

## Product information

### Technical data

| Technical data                   | EL9110                                     |
|----------------------------------|--------------------------------------------|
| Technology                       | potential supply terminal with diagnostics |
| Current load                     | $\leq 10$ A                                |
| Power LED                        | green                                      |
| Current consumption E-bus        | typ. 90 mA                                 |
| Nominal voltage                  | 24 V DC                                    |
| Electrical isolation             | 500 V (E-bus/field potential)              |
| Diagnostics in the process image | yes                                        |
| Reported to E-bus                | yes                                        |

|                                |                                                              |
|--------------------------------|--------------------------------------------------------------|
| Bit width in the process image | 2                                                            |
| Housing width                  | 12 mm                                                        |
| Weight                         | approx. 50 g                                                 |
| Operating temperature          | -25...+60°C                                                  |
| Storage temperature            | -40...+85°C                                                  |
| Pluggable wiring               | for all ESxxx terminals                                      |
| Approvals/markings             | CE, CCC, UL, ATEX, IECEx                                     |
| Ex marking                     | ATEX:<br>II 3 G Ex ec IIC T4 Gc<br>IECEx:<br>Ex 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 BZxxx series                                                                            |                                                                                                         |
| Wiring                            | solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver           |                                                                                                         |
| Connection cross-section          | s*: 0.08...2.5 mm <sup>2</sup> ,<br>st*: 0.08...2.5 mm <sup>2</sup> ,<br>f*: 0.14...1.5 mm <sup>2</sup> | s*: 0.08...1.5 mm <sup>2</sup> ,<br>st*: 0.08...1.5 mm <sup>2</sup> ,<br>f*: 0.14...1.5 mm <sup>2</sup> |
| Connection cross-section AWG      | s*: AWG28...14,<br>st*: AWG28...14,<br>f*: AWG26...16                                                   | s*: AWG28...16,<br>st*: AWG28...16,<br>f*: AWG26...16                                                   |
| Stripping length                  | 8...9 mm                                                                                                | 9...10 mm                                                                                               |
| Current load power contacts       | I <sub>max</sub> : 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 |                                                                        |
|----------------------|------------------------------------------------------------------------|
| EL9110               | Potential supply terminal, 24 V DC, with diagnostics                   |
| ES9110               | Potential supply terminal, 24 V DC, with diagnostics, pluggable wiring |