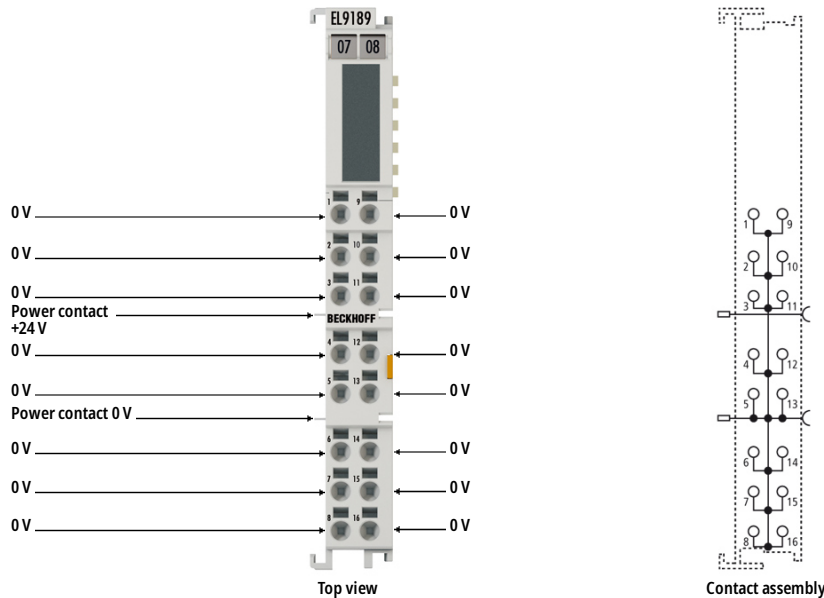
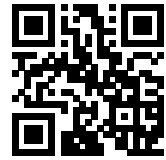


EL9189 | Potential distribution terminal, 16 x 0 V DC



i Product status: Regular delivery

The EL9189 potential distribution terminal provides 16 terminal points with the 0 V potential at the front on the terminal contacts. The 0 V power contact is connected to the front-side terminal contacts and is passed through to the adjacent terminal. The 24 V power contact is not connected to the front-side terminal contacts and is passed through to the adjacent terminal. With the EL9189, the use of additional terminal blocks on the terminal strip can be reduced. The HD EtherCAT Terminals (high density) with increased packing density contain 16 connection points in the housing of a 12 mm-wide EtherCAT Terminal. Solid wire conductors can be connected without tools using the direct plug-in technique.

Product information

Technical data

| Technical data | EL9189 |
|---|---------------------------------|
| Technology | potential distribution terminal |
| Number of outputs | e.g.: 16 x 0 V contact |
| Current load | ≤ 10 A |
| Nominal voltage | ≤ 60 V |
| Electrical isolation | 500 V (E-bus/field potential) |
| Connection facility to additional power contact | 16 |
| Bit width in the process image | 0 |
| Housing width | 12 mm |

| | |
|--|---|
| Side by side mounting on EtherCAT Terminals with power contact | yes, left without PE |
| Special features | direct plug-in technique |
| Conductor types | solid wire, stranded wire and ferrule |
| Conductor connection | solid wire conductors: direct plug-in technique; stranded wire conductors and ferrules: spring actuation by screwdriver |
| Rated cross-section | solid wire: 0.08...1.5 mm ² ; stranded wire: 0.25...1.5 mm ² ; ferrule: 0.14...0.75 mm ² |
| Weight | approx. 60 g |
| Operating/storage temperature | -25...+60 °C/-40...+85 °C |
| Approvals/markings | CE, UL, ATEX |
| Ex marking | II 3 G Ex nA IIC T4 Gc |

| | |
|-----------------------------------|---|
| Housing data | EL-12-16pin |
| Design form | HD (High Density) housing with signal LEDs |
| Material | polycarbonate |
| Dimensions (W x H x D) | 12 mm x 100 mm x 68 mm |
| 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 conductors (e): direct plug-in technique; fine-stranded conductors (f) and ferrule (a): spring actuation by screwdriver |
| Connection cross-section | s*: 0.08...1.5 mm ² , st*: 0.25...1.5 mm ² , f*: 0.14...0.75 mm ² |
| Connection cross-section AWG | s*: AWG 28...16, st*: AWG 22...16, f*: AWG 26...19 |
| Stripping length | 8...9 mm |
| Current load power contacts | I _{max} : 10 A |

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