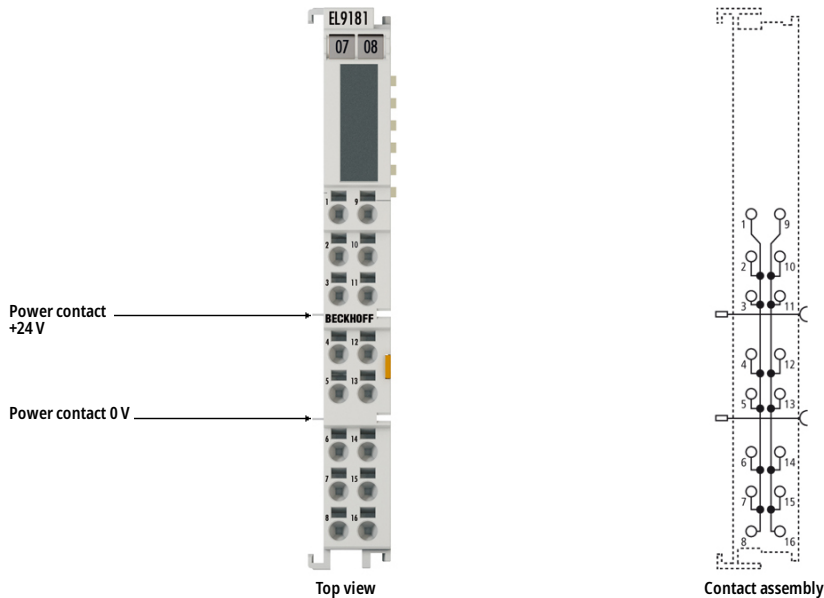
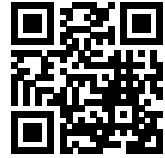


# EL9181 | Potential distribution terminal, 8 x 2 potentials



**i** **Product status:** Regular delivery

The EL9181 potential distribution terminal provides two potentials with 8 terminal points each for potential distribution and enables the tapping of the voltages without further terminal blocks or wiring work. The power contacts are fed through to the next terminal without connecting to the terminal points.

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	EL9181
Technology	potential distribution terminal
Number of separate potentials	2
Terminal points per potential	8
Nominal voltage	≤ 60 V AC/DC
Current load	max. 10 A
E-bus looped through	yes
Power contacts_looped_through	yes (2 power contacts)
Electrical isolation	500 V (E-bus/field potential)

Configuration	no address or configuration setting
Special features	2 x 8-way bridge
Weight	approx. 60 g
Operating/storage temperature	-25...+60 °C/-40...+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. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL

<b>Housing data</b>	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 <sup>2</sup> , st*: 0.25...1.5 mm <sup>2</sup> , f*: 0.14...0.75 mm <sup>2</sup>
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 <sub>max</sub> : 10 A

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