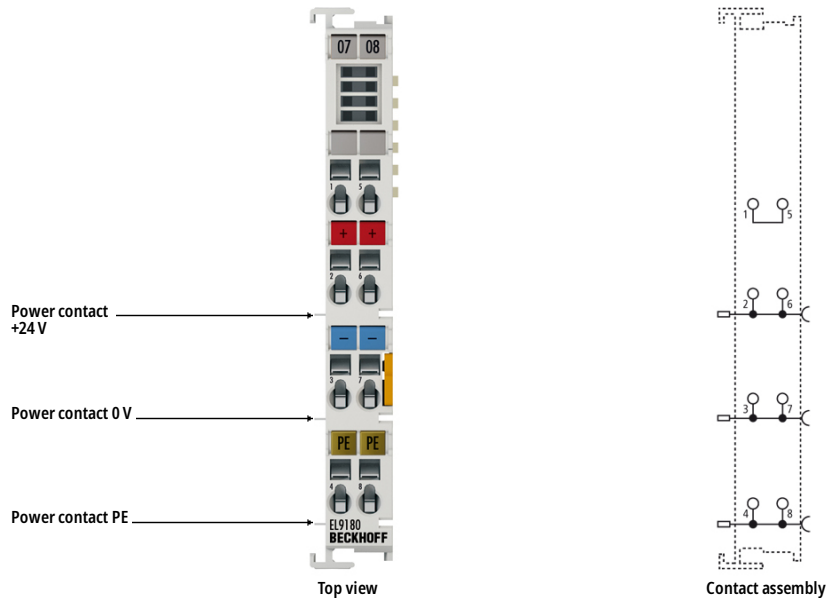
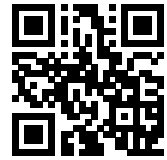


EL9180 | Potential distribution terminal, 2 x 24 V DC, 2 x 0 V DC, 2 x PE



i **Product status:** Regular delivery

The EL9180 potential distribution terminal provides the supply voltage via the front-side terminal contacts. 24 V, 0 V and PE can each be tapped twice from the front. The power contacts are connected to the front-side terminal contacts and are passed through to the adjacent terminal. With the EL9180, the use of additional terminal blocks on the terminal strip can be reduced.

Product information

Technical data

Technical data	EL9180, ES9180
Technology	potential distribution terminal
Current load	≤ 10 A
Nominal voltage	arbitrary up to 230 V AC/DC
Electrical isolation	500 V (E-bus/field potential)
PE contact	yes
Connection facility to additional power contact	2
Bit width in the process image	0
Housing width	12 mm

Side by side mounting on EtherCAT Terminals with power contact	yes
Weight	approx. 50 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Pluggable wiring	for all ESxxx terminals
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA 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	
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 conductor (e), flexible conductor (f) and ferrule (a): spring actuation by screwdriver	
Connection cross-section	s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ²	s*: 0.08...1.5 mm ² , st*: 0.08...1.5 mm ² , f*: 0.14...1.5 mm ²
Connection cross-section AWG	s*: AWG 28...14, st*: AWG 28...14, f*: AWG 26...16	s*: AWG 28...16, st*: AWG 28...16, f*: AWG 26...16
Stripping length	8...9 mm	9...10 mm
Current load power contacts	I _{max} : 10 A	

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

Ordering information

Ordering information	
EL9180	
ES9180	Potential distribution terminal, 2 x 24 V DC, 2 x 0 V DC, 2 x PE, pluggable wiring