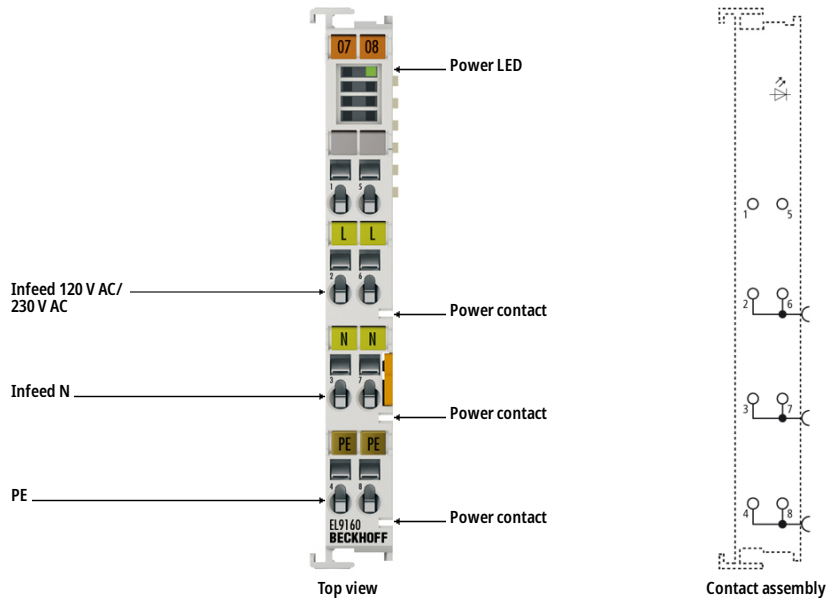


EL9160 | Potential supply terminal, 120... 230 V AC, with diagnostics



i **Product status:** Regular delivery

The EL9160 potential feed terminal enables the setup of different potential groups with the standard voltage 230 V AC (120... 230 V AC). 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 EL9160 reports the status of the feed terminal to the EtherCAT coupler via two input bits. A Power LED indicates the operating state.

Product information

Technical data

Technical data	EL9160, ES9160
Technology	potential supply terminal with diagnostics
Current load	≤ 10 A
Power LED	green
Current consumption E-bus	typ. 55 mA
Nominal voltage	120/230 V AC
Electrical isolation	500 V (E-bus/field potential)
Diagnostics in the process image	yes
Reported to E-bus	yes
PE contact	yes
Bit width in the process image	2

Housing width	12 mm
Weight	approx. 50 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Pluggable wiring	for all ESxxx terminals
Approvals/markings	CE, UL

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	
EL9160	
ES9160	Potential supply terminal, 120...230 V AC, with diagnostics, pluggable wiring