

EL9100 | EtherCAT Terminal, potential supply, 24 V DC, 10 A

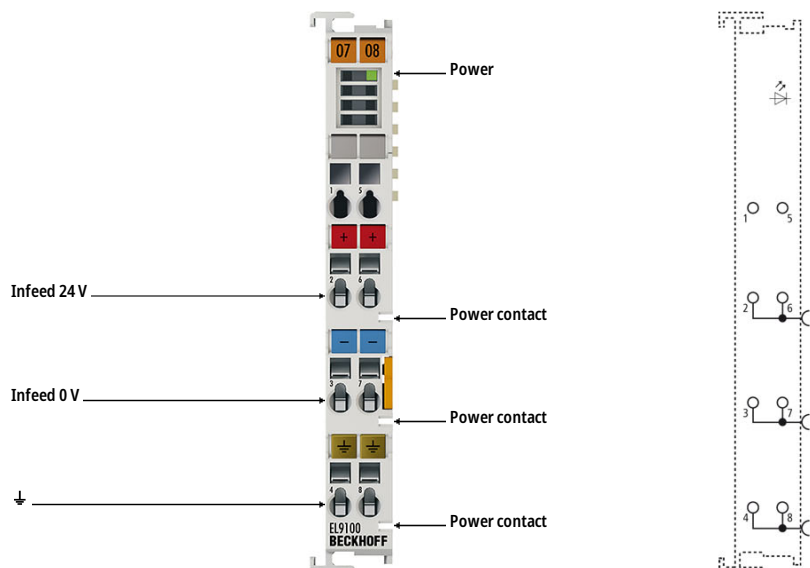


Image similar, may contain optional accessories

i **Product status:** regular delivery

The EL9100 potential feed terminal 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. The E-bus is passed through in the usual way to the adjacent terminal. A Power LED indicates the operating state.

Product information

Technical data

Technical data	EL9100
Technology	potential supply terminal
Current load	$\leq 10 \text{ A}$
Power LED	green
Renewed infeed	yes
Nominal voltage	24 V DC
Electrical isolation	500 V (E-bus/field potential)
Connection facility to additional power contact	1

Bit width in the process image	0
Housing width	12 mm
Side by side mounting on EtherCAT Terminals with power contact	yes
Side by side mounting on EtherCAT Terminals without power contact	yes
Weight	approx. 50 g
Operating temperature	-25...+60°C
Storage temperature	-40...+85°C
Plug-in wiring level	for all ESxxx terminals
Approvals/markings	CE, CCC, UL, ATEX, IECEx
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: 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 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*: AWG28...14, st*: AWG28...14, f*: AWG26...16	s*: AWG28...16, st*: AWG28...16, f*: AWG26...16
Stripping length	8...9 mm	9...10 mm
Current load power contacts	I _{max} : 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

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EL9100	EtherCAT Terminal, potential supply, 24 V DC, 10 A
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ES9100	EtherCAT Terminal, potential supply, 24 V DC, 10 A, plug-in wiring level
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