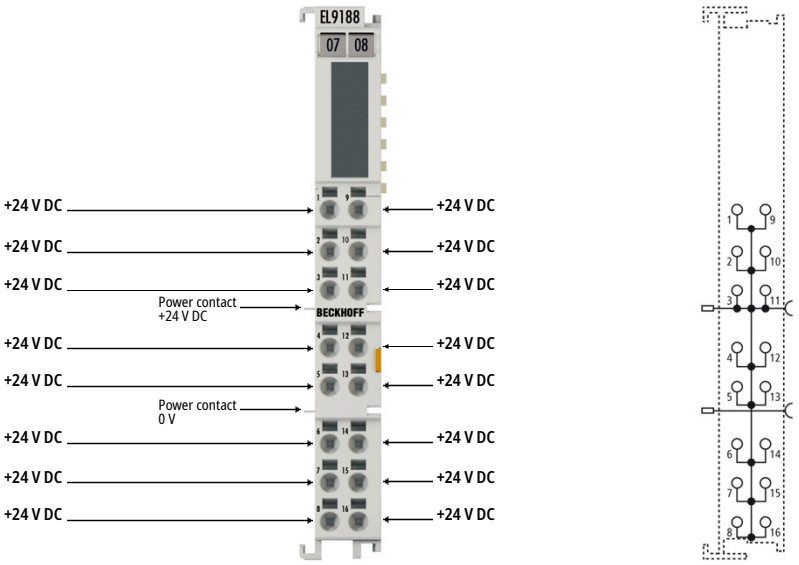
EL9188 | EtherCAT Terminal, potential distribution, 16 x 24 V DC

Image similar, may contain optional accessories



EL9188 | EtherCAT Terminal, potential distribution, 16 x 24 V DC

Product status: regular delivery

The EL9188 potential distribution terminal provides 16 terminal points with the 24 V potential at the front on the terminal contacts. The 24 V power contact is connected to the front-side terminal contacts and is passed through to the adjacent terminal. The 0 V power contact is not connected to the front-side terminal contacts and is passed through to the adjacent terminal. With the EL9188, 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 technology.

Product information

Technical data

Technical data	EL9188
Technology	potential distribution terminal
Number of outputs	e.g.: 16 x 24 V contact
Current load	≤ 10 A
Nominal voltage	≤ 60 V
Electrical isolation	500 V (E-bus/field potential)

Technical data	EL9188
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 technology
Weight	approx. 60 g
Operating temperature	-25…+60°C
Storage temperature	-40…+85°C
Approvals/markings	CE, CCC, UL, ATEX, IECEx, cFMus
Ex marking	ATEX: II 3G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc cFMus: Class I, Division 2, Groups A, B, C, D Class I, Zone 2, AEx ec IIC T4 Gc

Housing data	EL-12-16pin
Design form	HD (High Density) housing with signal LEDs
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 BZxxxx series
Wiring	solid conductors (s): direct plug-in technology; fine-stranded conductors (st) and ferrule (f): 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*: AWG28…16, st*: AWG22…16, f*: AWG26…19
Stripping length	8…9 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

Material Compliance

Material compliance	EL9188
REACH SVHC	no
POP	compliant
RoHS	compliant without exemption
China-RoHS	www.beckhoff.com/china-rohs-io
CA Prop65	www.beckhoff.com/prop65
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