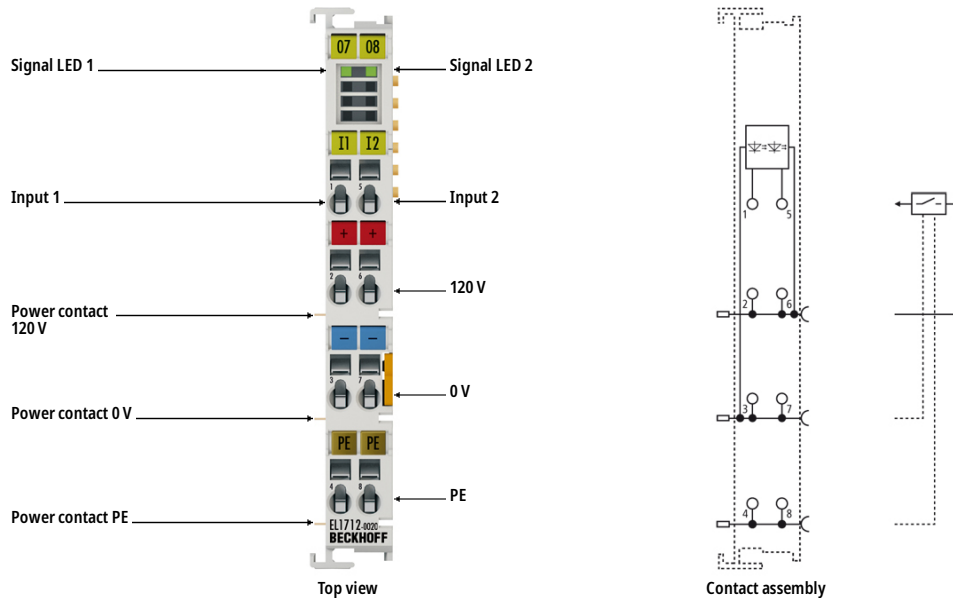


EL1712-0020 | EtherCAT Terminal, 2-channel digital input, 120 V DC, 3 ms



i Product status: Regular delivery

The EL1712-0020 digital input terminal acquires the binary control signals from the process level and transmits them, in an electrically isolated form, to the higher-level automation unit. The direct connection of 120 V DC signals is possible. The EtherCAT Terminal has two channels that indicate their signal state via light emitting diodes.

Special features:

- direct connection of 120 V signals
- for DC voltage

Product information

Technical Data

Technical data	EL1712-0020, ES1712-0020
Connection technology	4-wire
Number of inputs	2
Nominal voltage	120 V DC
"0" signal voltage	0...40 V
"1" signal voltage	80...140 V
Input current	typ. 3.0 mA
Input filter	typ. 3.0 ms

Distributed clocks	–
Current consumption power contacts	load-dependent
Current consumption E-bus	typ. 90 mA
Electrical isolation	500 V (E-bus/field potential)
Special features	direct connection of DC actuators
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+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
Pluggable wiring	for all ESxxx terminals

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	
EL1712-0020	EtherCAT Terminal, 2-channel digital input, 120 V DC, 3 ms
ES1712-0020	EtherCAT Terminal, 2-channel digital input, 120 V DC, 3 ms, pluggable wiring