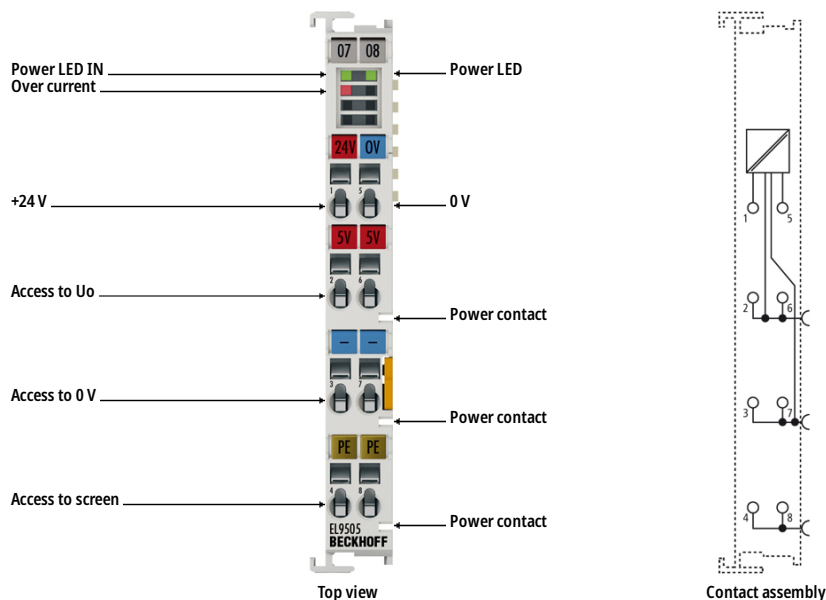




EL9505 | Power supply terminal 5 V DC



i Product status: Regular delivery

The EL9505 power supply terminal takes the input voltage (24 V DC) and uses it to generate an output voltage of 5 V DC at 0.5 A, which can be tapped at the terminal. The following EtherCAT Terminals are also supplied with this voltage via the power contacts. The power LEDs indicate the operating states of the terminals, short-circuits or overloads are indicated by the overcurrent LEDs. The status is also displayed in the process image. The input voltage and the output voltage U0 are not electrically isolated.

Product information

Technical data

Technical data	EL9505, ES9505
Technology	power supply terminal with diagnostics and overcurrent LED
Short-circuit proof	yes
Input voltage	24 V DC (-15 %/+20 %)
Output voltage	5 V DC ± 1 %
Output current	0.5 A
Current consumption E-bus	90 mA
Electrical isolation	500 V (E-bus/field potential)
Residual ripple	< 5 mV
Diagnostics in the process image	yes

Special features	stabilized output voltage
Weight	approx. 65 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
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	
EL9505	Power supply terminal, 5 V DC, with diagnostics
ES9505	Power supply terminal 5 V DC, pluggable wiring