

EL9550 | System terminal, surge filter system and field supply

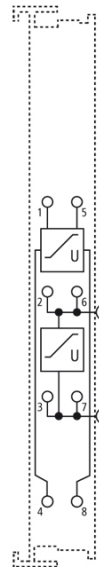
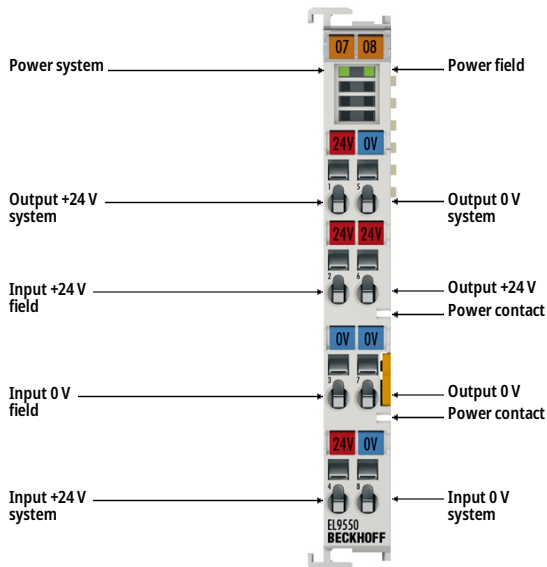
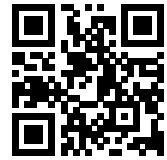


Image similar, may contain optional accessories

i **Product status:** regular delivery

The EL9550 system terminal contains an overvoltage filter for the 24 V field and system supply. The filter protects the EtherCAT Terminal from line-bound surge voltages that can occur due to high-energy, dynamic disturbances such as switching overvoltages at inductive consumers or indirect lightning strikes at the supply lines.

The EL9550 protects the terminal station from damage in particularly harsh environments.

Product information

Technical data

Technical data	EL9550
Technology	surge filter system and field supply
Nominal voltage	24 V (-15%/+20%)
Surge filter field supply	yes
Surge filter system supply	yes
Rated current field supply	≤ 10 A
Rated current system supply	≤ 1.5 A
Electrical isolation	500 V (E-bus/field potential)

Weight	approx. 50 g
Operating temperature	-25...+60°C
Storage temperature	-40...+85°C
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
Pluggable wiring	for all ESxxx terminals
Protect. rating/installation pos.	IP20/variable
Approvals/markings	CE, CCC, UL, ATEX, IECEx, cFMus
Ex marking	ATEX: II 3 G 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-12-8pin	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

Ordering information	
EL9550	System terminal, surge filter system and field supply
ES9550	System terminal, surge filter system and field supply, pluggable wiring