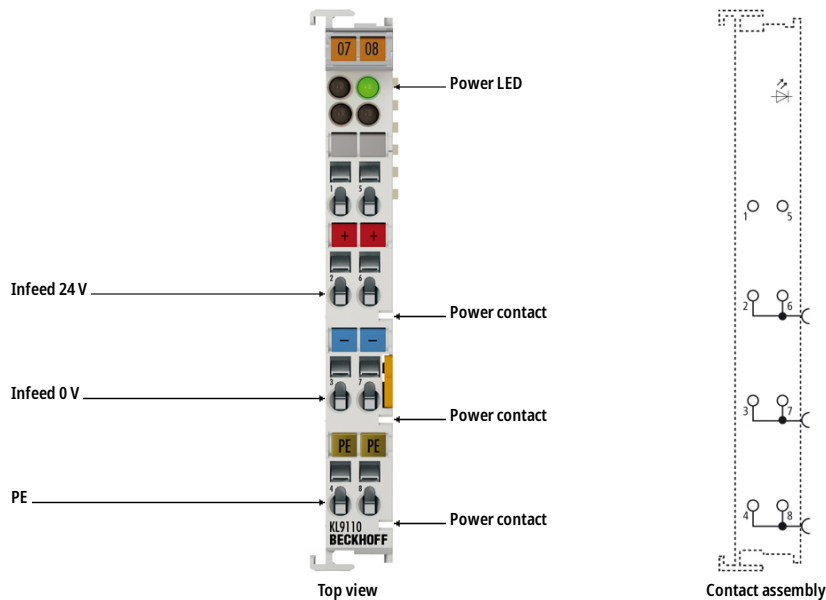
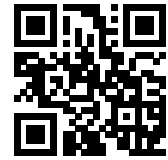


KL9110 | Potential supply terminal, 24 V DC, with diagnostics



i Product status: Regular delivery

The KL9110 power feed terminal makes it possible to set up various potential groups with the standard voltage of 24 V DC. In order to monitor the supply voltage, the terminal with diagnostics reports the status of the power feed terminal to the Bus Coupler through two input bits. It is thus possible for the controller to check the distributed peripheral voltage over the fieldbus.

Product information

Technical data

Technical data	KL9110, KS9110
Nominal voltage	24 V DC
Current load	≤ 10 A
Integrated fine-wire fuse	–
Diagnostics	yes
Power LED	green
Defect LED	–
Reported to K-bus	yes
PE contact	yes
Shield connection	–
Renewed infeed	yes

Connection facility to additional power contact	1
K-bus, looped through	yes
Bit width in the process image	1
Electrical connection to DIN rail	–
Current consumption K-bus	typ. 10 mA
Electrical isolation	yes
Housing width	12 mm
Weight	approx. 50 g
Side by side mounting on Bus Terminals with power contact	yes
Side by side mounting on Bus Terminals without power contact	yes
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals/markings	CE, UL, ATEX, DNV GL, IECEx, cFMus
Ex marking	ATEX: II 3 G Ex nA IIC T4 Gc IECEX: Ex nA IIC T4 Gc Ex tc IIIC T135 °C Dc cFMus: Class I, Division 2, Groups A, B, C, D Class I, Zone 2, AEx ec IIC T4 Gc

Housing data	KL-12-8pin	KS-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	
KL9110	Potential supply terminal, 24 V DC, with diagnostics
KS9110	Potential supply terminal, 24 V DC, with diagnostics, pluggable wiring