

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

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.

i **Product status:** regular delivery



Product information

Technical data	KL9110
Current load	≤ 10 A
Integrated fine-wire fuse	–
Power LED	green
Defect LED	–
Diagnostics	yes
Current consumption K-bus	typ. 10 mA
Nominal voltage	24 V DC
Electrical isolation	yes
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	–
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

Technical data	KL9110
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals/markings	CE, UL, ATEX, IECEx, DNV GL, 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	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 (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	

*s: solid wire; st: stranded wire; f: with ferrule