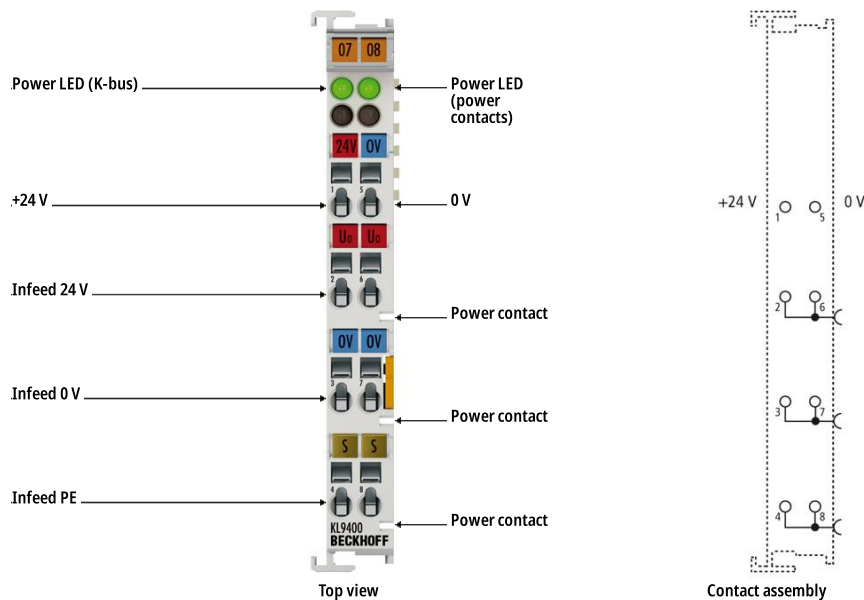


KL9400 | Power supply unit terminal for the K-bus



i Product status: Regular delivery

The KL9400 power supply unit terminal is used to refresh the K-bus. Data is exchanged between the Bus Coupler and Bus Terminal over the K-bus. Each Bus Terminal draws a certain amount of current from the K-bus (see “Current consumption K-bus” in the technical data). This current is fed into the K-bus by the relevant Bus Coupler’s power supply unit. The standard couplers (BKxx00, BCxx00) make 1.75 A available to the K-bus. In configurations with a large number of Bus Terminals it is possible to use the KL9400 in order to supply an extra 2 A to the K-bus.

Product information

Technical Data

Technical data	KL9400, KS9400
Input voltage	24 V DC (-15 %/+20 %)
Output voltage	5 V DC
Output current	2 A for K-bus supply
Power contacts	max. 24 V DC/max. 10 A
Short-circuit proof	yes
Weight	approx. 65 g
Operating/storage temperature	-25...+60 °C/-40...+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. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals/markings	CE, UL, ATEX, DNV GL
Ex marking	II 3 G Ex nA 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	
KL9400	Power supply unit terminal for the K-bus
KS9400	Power supply unit terminal for the K-bus , pluggable wiring