



**Power supply unit terminal for the K-Bus**

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 from the 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) makes 1.75 A available to the K-Bus, while the Economy Coupler (BKxx10) and the Low Cost Coupler (LCxx00) provide 0.5 A. 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.

Technical Data	KL9400
Input voltage	24 V <sub>DC</sub>
Output voltage (K-Bus)	5 V <sub>DC</sub>
Output current (K-Bus)	max. 2 A
Power contact voltage	24 V <sub>DC</sub>
Power contact current load	max. 10 A
Configuration	no address setting or configuration needed
Bits width in process image	0
Electrical isolation	500 V <sub>rms</sub> (K-Bus / field voltage)
Weight	app. 65 g
Dimensions (w x h d)	15 mm x 100 mm x 70 mm (width aligned: 12 mm)
Mounting	on 35 mm mounting rail conforms to EN 50022
Installation position	variable
Permissible ambient temperature	0°C ... +55°C (in operation) -25°C ... +70°C (on storage)
Permissible relative humidity	5% ... 95%, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6 / EN 60068-2-27, EN 60068-2-29
EMC resistance burst/ESD	conforms to EN 61000-6-2 / EN 61000-6-4
Protection class	IP20
Approval	CE