

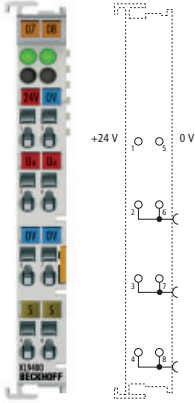
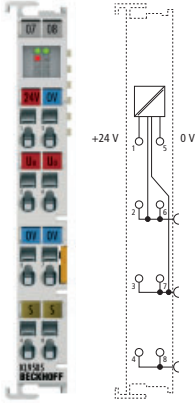
KL94xx, KL95xx | Power supply terminals

The KL94xx and KL95xx terminal series are designed for the modified feeding of the operating voltage into the terminal strand. The KL9400 power supply terminal enables the refreshment of the K-bus, via which data exchange takes place between Bus Couplers and Bus Terminals. Each Bus Terminal requires a certain amount of current from the K-bus (see technical data: "Current consumption K-bus"). This current is fed into the K-bus by the relevant Bus Coupler's power supply unit. When configuring a large number of Bus Terminals, the 5 V power supply to the K-bus can be increased by 2 A via the KL9400.

The KL95xx power supply terminals produce different output voltages from the input voltage (24 V DC) that can be accessed at the terminals. The following Bus Terminals are also supplied with this voltage via the power contacts. The power LEDs indicate the operating states of the terminals; short-circuits or overloads are indicated by the overcurrent LEDs. There is no electrical isolation of the input and output voltage.

Power supply terminal
for refreshing the K-bus

Power supply terminal,
5 V DC

Technical data	KL9400 KS9400	KL9505 KS9505
Technology	power supply terminal	power supply terminal, 5 V DC, with diagnostics
Diagnostics	–	yes
		
		The KL9505 generates 5 V from the fed-in 24 V without electrical isolation.
Input voltage	24 V DC (-15 %/+20 %)	24 V DC (-15 %/+20 %)
Output voltage	5 V DC	5 V DC ± 1 %
Output current	2 A for K-bus supply	0.5 A
Short-circuit-proof	yes	yes
Residual ripple	–	< 5 mV
Current consumption K-bus	–	–
Electrical isolation	–	–
Special features	–	stabilised analog voltage
Operating temperature	0...+55 °C	0...+55 °C
Approvals	CE, UL, Ex, GL	CE, UL, Ex
Weight	approx. 65 g	approx. 65 g
Further information	www.beckhoff.com/KL9400	www.beckhoff.com/KL9505