



KL9380 | Mains filter terminal for dimmers

The KL9380 feed and filter terminal protects downstream Bus Terminals from high-energy and high-frequency interference pulses from the 230 V AC mains supply. The Bus Terminal contains a capacitance for smoothing the mains voltage and is particularly suitable for the operation of dimmer circuits. The KL9380 provides a sufficiently high pulse current for fast switching, which is particularly useful for operating a dimmer in leading edge phase control mode and for switching operations involving loads with capacitive effect that are not mains-synchronous. Thus, interference pulses can be filtered out.

Technical data	KL9380
Nominal voltage	arbitrary up to 230 V AC
Current load	≤ 10 A
Capacity	approx. 1 µF
Integrated fine-wire fuse	–
Diagnostics	–
Power LED	–
Defect LED	–
Reported to K-bus	–
PE contact	yes
Shield connection	–
Renewed infeed	–
Connection facility to additional power contact	2
K-bus, looped through	yes
Bit width in the process image	0
Electrical connection to DIN rail	–
Current consumption K-bus	–
Electrical isolation	–
Housing width in mm	12
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	–
Operating/storage temperature	0...+55 °C/-25...+85 °C
Approvals	CE

Related products	
KL2751	1-channel universal dimmer terminal 230 V AC, 300 VA (W)
KL2761	1-channel universal dimmer terminal 230 V AC, 600 VA (W)