



KL2751 | 1-channel universal dimmer terminal 230 V AC, 300 VA (W)

The KL2751 dimmer Bus Terminal is designed for direct connection of different lighting devices. Dimmable lighting devices such as incandescent lamps, inductive and electronic ballasts are detected and controlled in the right mode. The required light intensity values are specified via the process data. The KL2751 calculates the correct phase control angle for the required value. The output is short-circuit-proof and overload-proof. The KL2751 can be operated at any fieldbus. The load status can be read.

Technical data	KL2751 KS2751
Connection technology	4-wire
Number of outputs	1
Mains voltage	230 V AC
Rated output	300 VA (W)
Rated current	max. 1.35 A
Load type	ohmic, inductive or capacitive (not mixed), lamp load, automatic load detection
Max. output current	1.35 A
Control type	phase control
Resolution	1 %
Electrical isolation	500 V (K-bus/field voltage), 3750 V AC (1 min.)
Leakage current (OFF state)	< 1 mA
Current consumption power contacts	only load
Current consumption K-bus	typ. 95 mA
Bit width in the process image	output: 1 x 16 bit data (1 x 8 bit control/status optional)
Special features	dimmers with fieldbus functionality
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+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/see documentation
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE

Special terminals	
KL2751-0011	dimmer terminal without power contacts

Accessories	
KL9380	Mains filter terminal for dimmers