



Two-channel, digital output terminal, 24 V_{DC}

The KL2012, KL2022 and KL2032 digital output terminals connect the binary control signals from the automation unit on to the actuators at the process level with electrical isolation. The KL2012 and KL2022 versions handle different load currents, and their outputs are protected against overload (only KL2012) and short circuit. The KL2032 is protected against reverse polarity connection. The Bus Terminals contain two channels that indicate their signal state by means of light emitting diodes.

Technical data	KL2012/KS2012	KL2022/KS2022	KL2032/KS2032
Number of inputs	2		
Rated voltage	24 VDC (-15% / +20%)		
Load type	ohmic, inductive, lamp load		
Output current max. (per channel)	0.5 A (short-circuit proof)	2.0 A (short-circuit proof)	0.5 A (short-circuit proof)
Max. short-circuit current	0.6 ... 1.0 A	9 ... 20 A, typ. 13 A	0.7 ... 1.7 A
Inductive switch-off energy max.	< 150 mJ/channel	< 1.7 J/channel	no data
Reverse voltage protection	no	yes	yes
Electrical isolation	500 V _{rms} (K-Bus/field potential)		
Current consumption from K-bus	typ. 5 mA		
Current consumption from the load voltage	typ. 15 mA	typ. 20 mA	typ. 20 mA
Bit width in process image	2 output bits		
Configuration	no address-or configuration settings required		
Dimensions (W x H x D)	15mm x 100mm x 70mm (connected width: 12mm)		
Weight	approx. 55 g		
Permissible ambient temperature range	-0°C... +55 °C in operation -25°C... +85 °C during storage		
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/emission	conforms to EN 61000-6-2 / EN 61000-6-4		
Installation position	variable		
Protection class / certification	IP20 / CE		
Pluggable wiring	at all KSxxxx series terminals		