



## KL2212 | 2-channel digital output terminal 24 V DC with diagnostics

The KL2212 digital output terminal connects the binary control signals from the automation unit on to the actuators at the process level with electrical isolation. The load current output of the KL2212 version is protected against overload and short-circuit. A short-circuit or an open lead is detected, and the terminal status is relayed to the controller via the K-bus. The Bus Terminals each contain two channels that indicate their signal state and errors by means of light emitting diodes.

Technical data	KL2212   KS2212	
Connection technology	4-wire	
Number of outputs	2	
Rated load voltage	24 V DC (-15 %/+20 %)	
Load type	ohmic, inductive, lamp load	
Max. output current	0.5 A (short-circuit-proof) per channel	
Short circuit current	< 2 A	
Breaking energy	< 150 mJ/channel	
Reverse voltage protection	–	
Electrical isolation	500 V (K-bus/field potential)	
Current consumption power contacts	typ. 15 mA + load	
Current consumpt. K-bus	typ. 15 mA	
Bit width in the process image	4 inputs/4 outputs (2 outputs with no significance)	
Meaning of the diagnostic bits (2 bits per channel)	00 no error 01 short-circuit to VCC	10 short-circuit to GND 11 undervoltage
Configuration	no address or configuration setting	
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/variable	
Pluggable wiring	for all KSxxxx Bus Terminals	
Approvals	CE, UL, Ex	



### Product announcement

KL2212: available  
KS2212: estimated market release on request