



KL2794 | 4-channel digital output terminal 30 V AC/DC, 2 A, potential-free, short-circuit-proof

The digital KL2794 Bus Terminal provides four potential-free semiconductor switches that can be used like a relay contact for AC/DC voltages. The electronic switch is realised through high-performance MOSFET transistors with low switch-on resistance. The switch itself is not short-circuit-proof, but due to its high pulse current capability it can cope with current until an external fuse triggers a switch-off.

Wear resistance increases the availability of the application. Resistive and inductive loads can be switched up to a rated voltage of 30 V AC/DC, completely resistive loads also up to a rated voltage of 48 V DC.

High peak voltages and electromagnetic interference pulses are prevented.

Technical data	KL2794 KS2794
Connection technology	2-wire
Number of outputs	4 x make contacts
Rated load voltage	0...30 V AC/DC (only ohmic load: 0...48 V DC)
Max. output current	2 A per channel
Breakdown voltage	80 V
Peak current	5 A (100 ms), < 50 A (10 ms)
Isolation voltage (channel/channel)	< 200 V
Electrical isolation	500 V (K-bus/field potential)
Switching on speed	typ. 1.8 ms, max. 5 ms
Switching off speed	typ. 30 ms, max. 50 ms
On-resistance	typ. 0.03 Ω
Current consumption K-bus	80 mA
Bit width in the process image	4 outputs
Special features	alternative for relay contacts, potential-free
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