



KL2798 | HD Bus Terminal, 8-channel digital output 30 V AC/DC, 2 A, solid state

The digital KL2798 Bus Terminal provides eight 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	KL2798
Connection technology	2-wire
Number of outputs	8 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 (Σ 10 A)
Breakdown voltage	80 V
Peak current	5 A (100 ms), < 50 A (10 ms)
Short circuit current	not short-circuit-proof, see peak current
Reverse voltage protection	–
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 power contacts	–
Current consumption K-bus	80 mA
Bit width in the process image	8 outputs
Conductor types	solid wire, stranded wire and ferrule
Conductor connection	solid wire conductors: direct plug-in technique; stranded wire conductors and ferrules: spring actuation by screwdriver
Rated cross-section	solid wire: 0.08...1.5 mm ² ; stranded wire: 0.25...1.5 mm ² ; ferrule: 0.14...0.75 mm ²
Special features	substitute 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
Approvals	CE, UL

Related products

EL2798

8-channel digital output terminal, 2-wire, 48 V AC/DC, 2 A