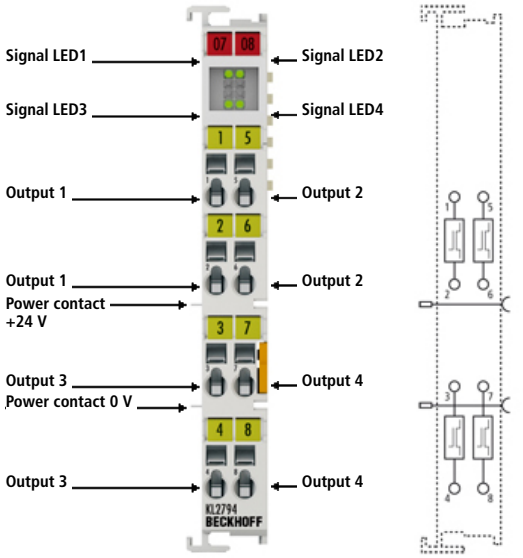

KL2794 | 4-channel digital output terminal 24 V AC/DC, 2 A, potential-free, short-circuit-proof

The KL2794 digital output terminal is able to switch voltages up to 24 V AC/DC using advanced MOSFET transistors. The four potential-free semiconductor switches represent a substitute for relay contacts. They are short-circuit-proof and free from wear, thereby increasing the availability of the application. The output is short-circuit-proof to a limited extent. The output transistor can cope with short-term overcurrents until the fuse is triggered. The Bus Terminal contains four channels that indicate their signal state by means of light emitting diodes.

Technical data	KL2794 | KS2794
Connection technology	2-wire
Number of outputs	4 x make contacts
Rated load voltage	0…24 V AC/DC
Output current	2 A on each channel
Breakdown voltage	80 V
Peak current	5 A (100 ms), < 50 A (10 ms)
Isolation voltage	< 200 V (channel/channel)
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 consumpt. 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 60068-2-27/29
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, Ex