



KL2284 | 4-channel digital output terminal 24 V DC, 2 A, reverse switching

The KL2284 output terminal switches loads in selectable polarity. This means that DC motors can be used in both directions of rotation. A polarity is switched with two output bits per channel. An interlock prevents simultaneous switching of both directions. Advanced power semiconductors enable safe and wear-free switching with minimum dimensions. The high starting and short-circuit currents of the KL2284 are comparable with a robust relay. The number of switching cycles is almost unlimited.

Technical data	KL2284 KS2284
Connection technology	2-wire
Number of outputs	4 x H-bridge circuit
Rated load voltage	0...24 V DC
Output current	2 A on each channel
Breakdown voltage	80 V
Peak current	5 A (100 ms), < 50 A (10 ms)
Electrical isolation	500 V (K-bus/field potential)
Switching on speed	typ. 235 ms, max. 300 ms
Switching off speed	typ. 30 ms, max. 50 ms
On-resistance	typ. 0.03 Ω
Current consumpt. K-bus	100 mA
Bit width in the process image	8 outputs
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