



KL2532 | 2-channel DC motor output stage 24 V DC, 1 A

The KL2532 Bus Terminal enables direct operation of two DC motors. It is galvanically isolated from the K-bus. The speed is preset by a 16 bit value from the automation unit. The output stage is protected against overload and short-circuit. The Bus Terminal contains two channels that indicate their signal state by means of light emitting diodes. The LEDs enable quick local diagnosis.

Technical data	KL2532 KS2532
Connection technology	direct motor connection
Number of outputs	2 DC motors
Rated load voltage	24 V DC (-15 %/+20 %)
Load type	DC brush motors, inductive
Max. output current	2 x 1 A (short-circuit-proof, thermal overload-proof for both channels together)
PWM clock frequency	30 kHz with 180° phase shift each
Duty factor	0...100 % (voltage-controlled)
Resolution	max. 10 bits current, 16 bits speed
Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Current consumption K-bus	typ. 50 mA
Encoder input signal	–
Pulse frequency	–
Bit width in the process image	48 inputs/outputs: 2 x 16 bit data, 2 x 8 bit control/status
Configuration	no address setting, configuration via Bus Coupler or controller
Weight	approx. 55 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/see documentation
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL

Related products	
KL2552	2-channel DC motor output stage 50 V DC, 5 A, Bus Terminal, IP 20
EL7332	2-channel DC motor output stage 24 V DC, 1 A, EtherCAT Terminal IP 20
EL7342	2-channel DC motor output stage 50 V DC, 3.5 A, EtherCAT Terminal, IP 20
EP7342	EtherCAT Box, industrial housing, 2-channel DC motor output stage 50 V DC, 3.5 A, IP 67