



KL2904 | 4-channel digital output terminal, TwinSAFE, 24 V DC

The KL2904 safety Bus Terminal is a digital output terminal with four channels. It switches 24 V DC actuators with up to 0.5 A current per channel. The KL2904 meets the requirements of DIN EN ISO 13849-1:2008 (Cat 4, PL e) and IEC 61508:2010 (SIL 3). If the Bus Terminal detects a fault, it switches off automatically (fail stop).

Technical data	KL2904
Connection technology	2-wire
Safety standard	DIN EN ISO 13849-1:2008 (Cat 4, PL e) and IEC 61508:2010 (SIL 3)
Number of outputs	4
Protocol	TwinSAFE/Safety over EtherCAT
Status display	8 LEDs: 1 per output, 4 diagnostic
Current consumpt. K-bus	250 mA
Fault response time	≤ watchdog time (parameterisable)
Bit width in the process image	6 byte input/6 byte output
Supply voltage	24 V DC (-15 %/+20 %)
Output current	0.5 A max./20 mA min. (per channel)
Special features	4 safe outputs
Weight	approx. 100 g
Operating/storage temperature	0...+55 °C/-25...+70 °C
Permitted degree of contamination	2
Climate class EN 60721-3-3	3K3
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
Installation position	horizontal
Protection class	IP 20
Approvals	CE, UL, Ex, TÜV SÜD