KL2424 | Bus Terminal, 4-channel digital output, 24 V DC, 2 A
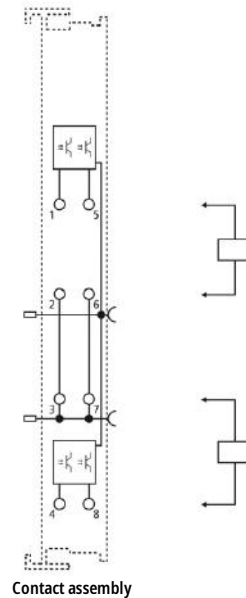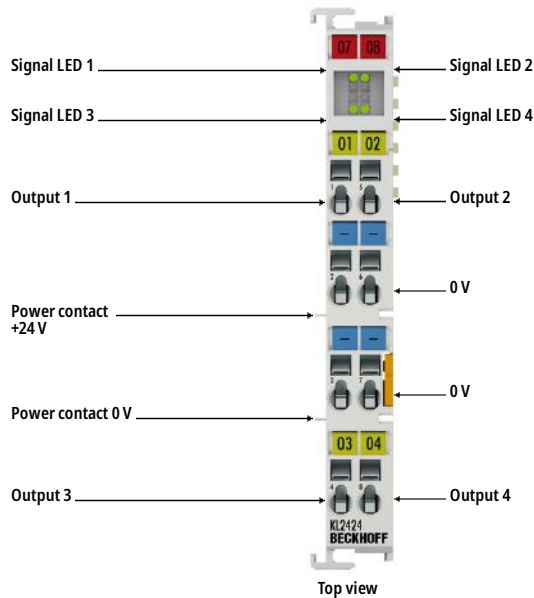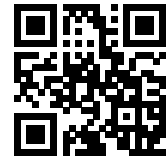

Top view

Contact assembly

ⓘ Image similar, may contain optional accessories

ℹ Product status: regular delivery

The KL2424 digital output terminal connects the binary 24 V control signals electrically isolated with the actuators. The Bus Terminal contains four channels that indicate their signal state by means of LEDs. The 4-channel Bus Terminal enables the direct connection of four 2-wire sensors. Four ground connection points are provided.

Product information

Technical data

Technical data	KL2424
Connection technology	2-wire
Number of outputs	4
Nominal voltage	24 V DC (-15%/+20%)
Load type	ohmic, inductive, lamp load
Max. output current	2.0 A (short-circuit proof) per channel
Short-circuit current	< 70 A
Breaking energy	< 1.7 J/channel
Reverse voltage protection	yes

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Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	typ. 30 mA + load
Current consumption K-bus	typ. 9 mA
Bit width in the process image	4 outputs
Configuration	no address or configuration setting
Weight	approx. 70 g
Operating/storage temperature	-25...+60°C/-40...+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. rating/installation pos.	IP20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals/markings	CE, UL, ATEX, IECEx, DNV GL
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

Housing data	KL-12-8pin	KS-12-8pin
Design form	compact terminal housing with signal LEDs	terminal housing with pluggable wiring level
Material	polycarbonate	
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm	
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock	
Side by side mounting by means of	double slot and key connection	
Marking	labeling of the BZxxx series	
Wiring	solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver	
Connection cross-section	s*: 0.08...2.5 mm², st*: 0.08...2.5 mm², f*: 0.14...1.5 mm²	s*: 0.08...1.5 mm², st*: 0.08...1.5 mm², f*: 0.14...1.5 mm²
Connection cross-section AWG	s*: AWG28...14, st*: AWG28...14, f*: AWG26...16	s*: AWG28...16, st*: AWG28...16, f*: AWG26...16
Stripping length	8...9 mm	9...10 mm
Current load power contacts	I_{max}: 10 A	

*s: solid wire; st: stranded wire; f: with ferrule

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Ordering information

Ordering information	
KL2424	Bus Terminal, 4-channel digital output, 24 V DC, 2 A
KS2424	Bus Terminal, 4-channel digital output, 24 V DC, 2 A, pluggable wiring

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