KL2889 | Bus Terminal, 16-channel digital output, 24 V DC, 0.5 A, ground switching
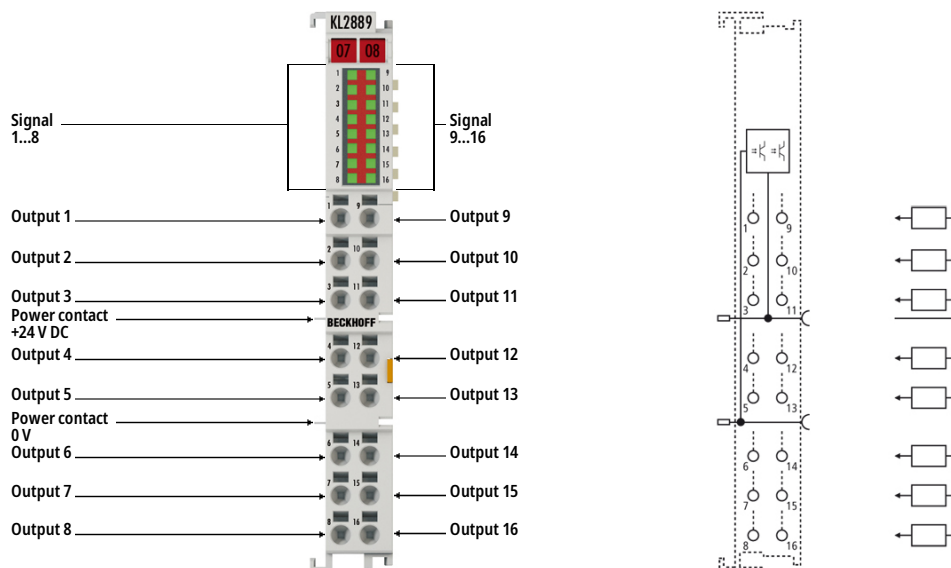

Signal 1...8

Signal 9...16

Output 1 — Output 9
Output 2 — Output 10
Output 3 — Output 11
Power contact +24 V DC
Output 4 — Output 12
Output 5 — Output 13
Power contact 0 V
Output 6 — Output 14
Output 7 — Output 15
Output 8 — Output 16

ⓘ Image similar, may contain optional accessories

ⓘ Product status: regular delivery

The KL2889 digital output terminal connects the binary control signals from the automation device on to the actuators at the process level with electrical isolation. The KL2889 is protected against polarity reversal and processes load currents with outputs protected against overload and short-circuit. The Bus Terminal contains 16 channels, whose signal states are displayed by LEDs. The terminal is particularly suitable for space-saving use in control cabinets. The connection technology is particularly suitable for single-ended inputs. All components have to use the same reference point as the KL2889. The power contacts are looped through.

The outputs are fed via the 0 V power contact in the KL2889. The conductors can be connected without tools in the case of solid wires using a direct plug-in technique.

The HD Bus Terminals (High Density) with increased packing density feature 16 connection points in the housing of a 12 mm terminal block.

Product information

Technical data

Technical data	KL2889
Connection technology	1-wire
Number of outputs	16
Nominal voltage	24 V DC (-15%/+20%)

BECKHOFF New Automation Technology

Load type	ohmic, inductive, lamp load
Max. output current	0.5 A (short-circuit proof) per channel
Short-circuit current	< 7 A
Breaking energy	< 100 mJ/channel
Reverse voltage protection	yes
Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	typ. 35 mA + load
Current consumption K-bus	typ. 45 mA
Bit width in the process image	16 outputs
Configuration	no address or configuration setting
Weight	approx. 70 g
Operating temperature	-25...+60°C
Storage temperature	-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 (see documentation)
Approvals/markings	CE, CCC, UL, ATEX, IECEx, DNV GL
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

Housing data	HD housing
Design form	HD (High Density) housing with signal LEDs
Material	polycarbonate
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	–
Wiring	solid conductors (s): direct plug-in technique; fine-stranded conductors (st) and ferrule (f): spring actuation by screwdriver
Connection cross-section	s*: 0.08...1.5 mm², st*: 0.25...1.5 mm², f*: 0.14...0.75 mm²
Stripping length	8...9 mm
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm

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

BECKHOFF New Automation Technology