

# BK3150 | PROFIBUS Compact Bus Coupler

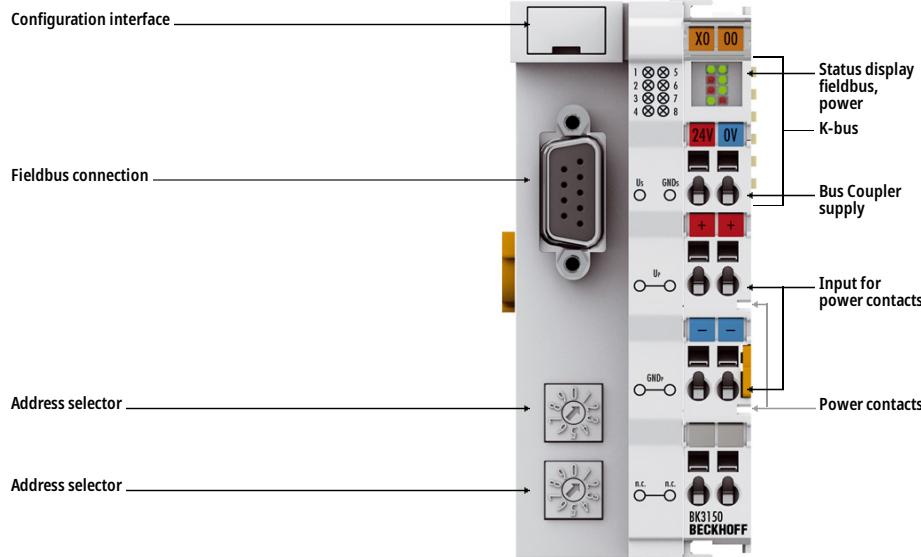


 Image similar, may contain optional accessories

## **Product status:** regular delivery

The Compact Bus Coupler BK3150 for PROFIBUS extends the Beckhoff Bus Terminal system by a cost-optimized version in a compact housing. Up to 64 Bus Terminals are supported; with the terminal bus extension, up to 255 Bus Terminals can be connected. The PROFIBUS Bus Coupler offers automatic baud rate detection up to 12 Mbaud and two address selection switches for address assignment. For the fieldbus connection, a D-sub 9-pin socket for the ZS1031-3000 or ZB3100 PROFIBUS connectors is available.

## Product information

### Technical data

Technical data	BK3150
Number of Bus Terminals	64 (255 with K-bus extension)
Max. number of bytes fieldbus	128 byte input and 128 byte output
Data transfer rates	automatic detection up to 12 Mbaud
Bus interface	1 x D-sub 9-pin socket with shielding
Data transfer medium	shielded copper cable, 2 x 0.25 mm <sup>2</sup>
Power supply	24 V DC (-15%/+20%)
Input current	70 mA + (total K-bus current)/4, 500 mA max.

<b>Current supply K-bus</b>	1750 mA
<b>Power contacts</b>	max. 24 V DC/max. 10 A
<b>Electrical isolation</b>	500 V (power contact/supply voltage/fieldbus)
<b>Weight</b>	approx. 100 g
<b>Operating temperature</b>	-25...+60°C
<b>Storage temperature</b>	-40...+85°C
<b>Relative humidity</b>	95%, no condensation
<b>Vibration/shock resistance</b>	conforms to EN 60068-2-6/EN 60068-2-27
<b>EMC immunity/emission</b>	conforms to EN 61000-6-2/EN 61000-6-4
<b>Protect. rating/installation pos.</b>	IP20/variable
<b>Approvals/markings</b>	CE, CCC, UL, ATEX, IECEx
<b>Ex marking</b>	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

<b>Housing data</b>	BKxx50, BCxx50
<b>Design form</b>	compact terminal housing with signal LEDs
<b>Material</b>	polycarbonate
<b>Installation</b>	on 35 mm DIN rail, conforming to EN 60715 with lock
<b>Side by side mounting by means of</b>	double slot and key connection
<b>Marking</b>	labeling of the BZxxx series
<b>Wiring</b>	solid conductor (s), flexible conductor (st) and ferrule (f): spring actuation by screwdriver
<b>Connection cross-section</b>	s*: 0.08...2.5 mm <sup>2</sup> , st*: 0.08...2.5 mm <sup>2</sup> , f*: 0.14...1.5 mm <sup>2</sup>
<b>Stripping length</b>	8...9 mm
<b>Current load power contacts</b>	I <sub>max</sub> : 10 A
<b>Dimensions (W x H x D)</b>	44 mm x 100 mm x 68 mm

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