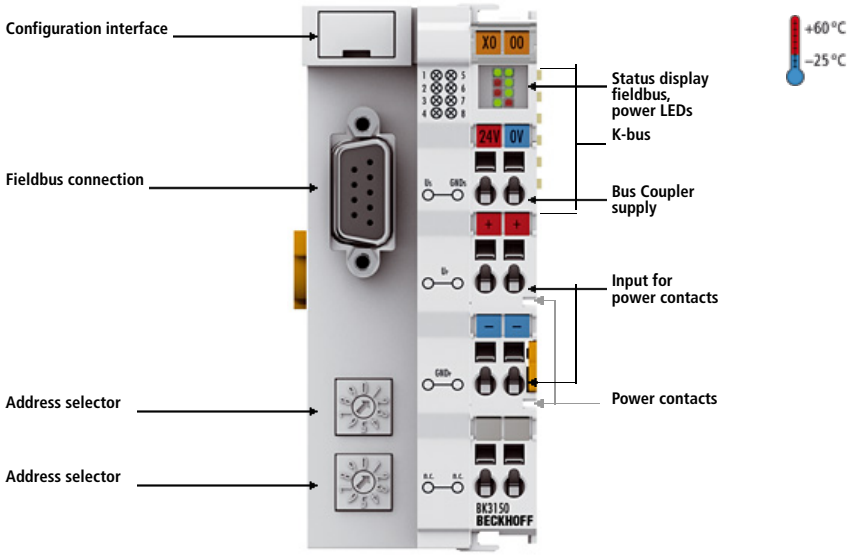


BK3150 | PROFIBUS “Compact” Bus Coupler

The “Compact” Bus Coupler BK3150 for PROFIBUS extends the Beckhoff Bus Terminal system by a cost-optimised 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.

System data	PROFIBUS | BK3150				
Number of I/O stations	100 with repeater				
Number of I/O points	approx. 6,000, depending on the master				
Data transfer medium	shielded copper cable, 2 x 0.25 mm²				
Max. cable length	1,200 m	1,000 m	400 m	200 m	100 m
Data transfer rates	9.6/19.2/ 93.75 kbaud	187.5 kbaud	500 kbaud	1,500 kbaud	…3, 6, 12 Mbaud
Data transfer time	approx. 3 ms (10 stations for 32 bit input and output each)			approx. 0.5 ms	

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
Power supply	24 V DC (-15 %/+20 %)
Input current	70 mA + (total K-bus current)/4, 500 mA max.
Current supply K-bus	1000 mA
Power contacts	24 V DC max./10 A max.
Electrical isolation	500 V (power contact/supply voltage/fieldbus)
Weight	approx. 100 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. class/installation pos.	IP 20/variable
Approvals	CE, UL, Ex

Accessories	
KS2000	configuration software for extended parameterisation
Cordsets	cordsets and connectors
FC310x	PC Fieldbus Cards with PCI interface

We reserve the right to make technical changes.

Related products	
BK3010	PROFIBUS Bus Coupler for up to 64 digital Bus Terminals, 1.5 Mbaud
BK3100	PROFIBUS DP/FMS Bus Coupler for up to 64 Bus Terminals, 12 Mbaud
BK3110	PROFIBUS Bus Coupler for up to 64 digital Bus Terminals, 12 Mbaud
BK3120	PROFIBUS "Economy plus" Bus Coupler for up to 64 Bus Terminals (255 with K-bus extension), 12 Mbaud
BK3520	PROFIBUS "Economy plus" Bus Coupler for up to 64 Bus Terminals (255 with K-bus extension), 12 Mbaud
LC3100	PROFIBUS "Low Cost" Bus Coupler for up to 64 digital Bus Terminals, 12 Mbaud
BC3100	PROFIBUS Bus Terminal Controller for up to 64 Bus Terminals, 12 Mbaud
BC3150	PROFIBUS "Compact" Bus Terminal Controller for up to 64 Bus Terminals (255 with K-bus extension), 12 Mbaud
BX3100	PROFIBUS Bus Terminal Controller for up to 64 Bus Terminals (255 with K-bus extension), 12 Mbaud
CX8030	PROFIBUS Embedded PC, master
CX8031	PROFIBUS Embedded PC, slave

System	
PROFIBUS	For further PROFIBUS products please see the system overview

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