



LC5200 | DeviceNet “Low Cost” Bus Coupler

DeviceNet The LC5200 “Low Cost” Bus Coupler is marked by a smaller design and a more economical connection method. Its functions correspond to those of the BK5210 DeviceNet Bus Coupler in relation to operation with Bus Terminals and to the fieldbus properties. Up to 64 digital input/output terminals can be connected. The firmware can be updated via the configuration interface.

The LC5200 Bus Coupler is particularly suitable for use in small, low-price stations. The 24 V DC supply voltage feeds the peripheral devices via the power contacts, as well as the Bus Coupler electronics and the K-bus electronics. Electrical isolation from the I/O level is omitted from the Bus Coupler, but can if necessary be implemented by means of a power feed terminal.

The LC5200 Bus Coupler can be replaced by a Bus Coupler from the BK5210 series.

“Low Cost” Bus Coupler for digital signals

All the bit-oriented terminals can be connected to the “Low Cost” Bus Coupler. All the digital input and output terminals are supported with the exception of the KL15xx, KL25x2, KL2692 and KL27x1 terminals. All the system terminals, with and without diagnostics, can also be connected.

System data	DeviceNet LC5200		
Number of I/O stations	64		
Data transfer medium	screened, twisted copper wire with power supply, 5-pin		
Max. cable length	500 m	250 m	100 m
Data transfer rates	125 kbaud	250 kbaud	500 kbaud
Operating modes	bit strobe, polling, cyclic, change of state (COS)		
DeviceNet type	communications adapter		

Technical data	LC5200
Number of Bus Terminals	64
Max. number of bytes fieldbus	32 byte input and 32 byte output
Bus interface	connection via Bus Terminal
Power supply	24 V DC (-15 %/+20 %), through bus cable 11...25 V (conforms to DeviceNet specification)
Current supply K-bus	500 mA
Power contacts	24 V DC max./10 A max.
Electrical isolation	none between power supply/fieldbus/power contacts
Connection method	directly to spring-loaded terminals
Dimensions (W x H x D)	similar to the Bus Terminal housing, width 21 mm
Weight	approx. 100 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
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
FC5201 FC5202	DeviceNet PCI fieldbus cards

Related products	
BK5200	DeviceNet Bus Coupler for up to 64 Bus Terminals
BK5210	DeviceNet Bus Coupler for up to 64 digital Bus Terminals
BK5220	DeviceNet "Economy plus" Bus Coupler for up to 64 Bus Terminals (255 with K-bus extension)
BK5250	DeviceNet "Compact" Bus Coupler for up to 64 Bus Terminals (255 with K-bus extension)
BC5250	DeviceNet "Compact" Bus Terminal Controller for up to 64 Bus Terminals (255 with K-bus extension)
BX5200	DeviceNet Bus Terminal Controller for up to 64 Bus Terminals (255 with K-bus extension)

System	
DeviceNet	For further DeviceNet products please see the system overview