

FLM BK DN M12 DI 8 M12 - Bus coupler



2736343

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The DeviceNet™ bus coupler opens a local bus for up to 16 devices. Additional functions: automatic baud rate detection, 8 digital inputs, channel-specific diagnostics, short-circuit and overload protection, M12 fast connection technology.

Product description

Fieldline modular bus coupler for DeviceNet™ with eight digital inputs

Your advantages

- DeviceNet™
- 8 inputs, 24 V DC
- M12 connection technology with SPEEDCON fast locking system

Commercial data

Item number	2736343
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR03
Product key	DRI414
GTIN	4017918974213
Weight per piece (including packing)	333.7 g
Weight per piece (excluding packing)	280 g
Customs tariff number	85176200
Country of origin	DE

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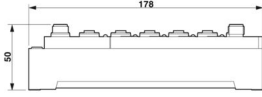


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Technical data

Dimensions

Dimensional drawing	
Width	70 mm
Height	178 mm
Depth	50 mm
Drill hole spacing	178 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Material specifications

Color	anthracite
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Interfaces

DeviceNet™

Connection method	M12 connector, A-coded
Designation connection point	Copper cable
Number of positions	5
Transmission speed	125 kbps, 250 kbps, 500 kbps (Automatic baud rate detection)
Transmission physics	Copper cable in acc. with DeviceNet™ specification
Address area assignment	0 ... 63, can be set

Fieldbus: Local bus gateway

Designation	Local bus gateway
Connection method	M12 connector, B-coded
Transmission speed	500 kbaud/2 Mbaud, can be selected
Max. length of local bus	20 m
Max. number of local bus devices	16

System properties

System limits

Number of local bus devices that can be connected	max. 16
Number of devices with parameter channel	max. 16

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Programming data

ID code (dec.)	1001
Parameter channel (PCP)	0 bit
Register length (bus)	8 bit
Register length (master)	512 Byte

Input data

Digital:

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Number of inputs	8 (double-occupancy)
Connection method	M12 connector
Connection technology	2-, 3-, 4-conductor
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	13 V DC ... 30 V DC
Nominal input voltage U_{IN}	24 V DC
Filter time	3 ms
Protective circuit	Reverse polarity protection

Product properties

Product type	I/O component
Product family	Fieldline
Type	modular
No. of channels	8

Electrical properties

Potentials

Voltage supply U_L	24 V DC
Power supply at U_L	max. 4 A
Current consumption from U_L	max. 100 mA (At 2 Mbaud)
	typ. 75 mA (At 2 Mbaud)
	max. 100 mA (At 500 kBaud)
	typ. 65 mA (At 500 kBaud)
Voltage supply U_S	24 V DC
Power supply at U_S	max. 4 A
Current consumption from U_S	typ. 10 mA (plus power supply for sensors)
	max. 700 mA

Supply: Module electronics

Connection method	M12 connector
Designation	U_L
Supply voltage	24 V DC

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Supply voltage range	18 V DC ... 30 V DC (including ripple)
Electrical isolation/isolation of the voltage ranges	
Test voltage: To I/O	500 V AC

Connection data

Connection method	M12 connector
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP65/IP67
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (storage/transport)	95 %

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	Load 30g, half sine wave, positive and negative per direction
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Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	Panel mounting, optionally on mounting panel
	Panel mounting

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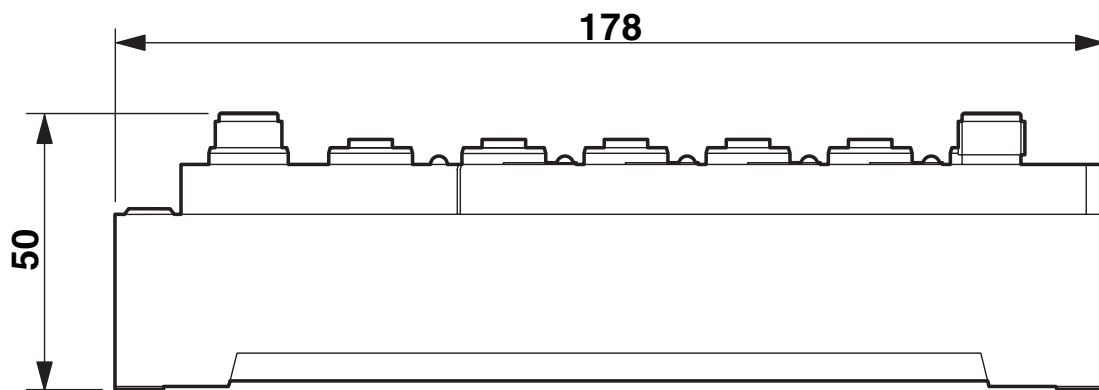


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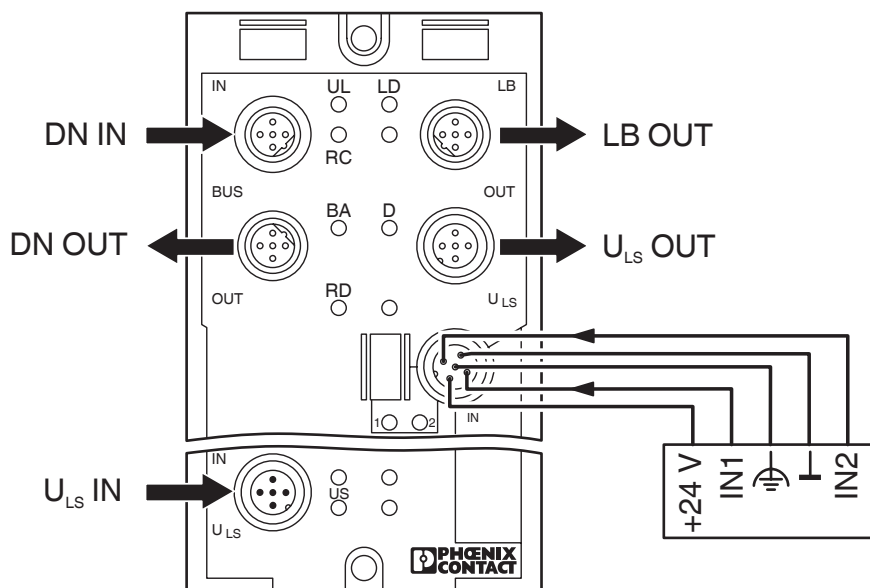
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Drawings

Dimensional drawing



Connection diagram



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com