

Bus coupler - FLM BK PN M12 DI 8 M12-2TX - 2736741

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The PROFINET bus coupler opens a local bus for up to 16 devices. Additional functions: 100 Mbps, auto negotiation, auto crossover, SNMP, TFTP, LLDP, 8 digital inputs, channel-specific diagnostics, short-circuit/overload protection, M12 fast connection technology.

Product Features

- PROFINET
- 8 inputs, 24 V DC
- M12 connection technology with SPEEDCON rapid interlock system



Key commercial data

package_quantity	1
GTIN	4046356042659

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	70 mm
Height	178 mm
Depth	50 mm
Drill hole spacing	168 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (storage/transport)	95 %
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)
Degree of protection	IP65/67

General

Weight	280 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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Technical data

General

Note	Seal unused slots/connections to ensure the degree of protection.
Test section	To I/O 500 V DC

Interfaces

Fieldbus system	PROFINET
Name	PROFINET
Connection method	M12 connectors, D-coded
Designation connection point	Copper cable
Transmission speed	100 MBit/s (autonegotiation)
Number of positions	4
Fieldbus system	PROFINET
Name	PROFINET
Transmission speed	100 MBit/s

Local bus gateway

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

Power supply for module electronics

Connection method	M12 connector
Name	U_L
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC IEC 61131-2 (including ripple)
Supply current	< 100 mA

Fieldline potentials

Voltage supply U_L	24 V DC
Power supply at U_L	max. 4 A
Current consumption from U_L	max. 118 mA (At 2 Mbaud)
Current consumption from U_L	typ. 118 mA (At 2 Mbaud)
Current consumption from U_L	max. 60 mA (At 500 kBaud)
Current consumption from U_L	typ. 60 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. 5 mA (plus power supply for sensors)
Current consumption from U_S	max. 600 mA

Digital inputs

Input name	Digital inputs
Connection method	M12 connector
Connection method	2, 3, 4-wire

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Digital inputs

Number of inputs	8 (EN 61131-2 type 1)
Protective circuit	Short-circuit protection, overload protection of the sensor supply Protection against polarity reversal
Filter time	3 ms
Input characteristic curve	IEC 61131-2 type 1
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

classifications

eCl@ss

eCl@ss 4.0	27250203
eCl@ss 4.1	27250203
eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

approvals

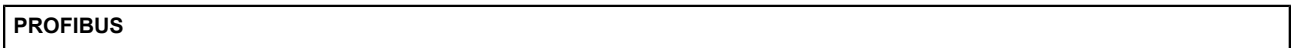
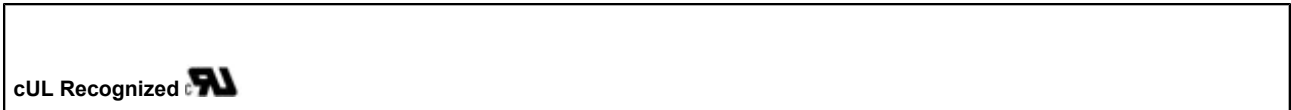
UL Recognized / UL Recognized / cUL Recognized / cUL Recognized / PROFIBUS / cULus Recognized /

Approval details



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approvals



accessories

Terminal marking

ZBF 12:UNBEDRUCKT - 0809735



Data cable preassembled

SAC-4P-M12MSD/ 0,3-930/M12MSD - 1523065



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accessories

SAC-4P-M12MSD/ 0,5-930/M12MSD - 1523078



SAC-4P-M12MSD/ 1,0-930/M12MSD - 1523081



SAC-4P-M12MSD/ 2,0-930/M12MSD - 1521533



SAC-4P-M12MSD/ 5,0-930/M12MSD - 1524051



SAC-4P-M12MSD/10,0-930/M12MSD - 1524064



SAC-4P-M12MSD/15,0-930/M12MSD - 1524077



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accessories

NBC-MSD/ 2,0-93B SCO - 1407496



NBC-MSD/ 5,0-93B SCO - 1407497



NBC-MSD/10,0-93B SCO - 1407498



NBC-MSD/ 1,0-93B/R4AC SCO - 1407499



NBC-MSD/ 2,0-93B/R4AC SCO - 1407500



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accessories

NBC-MSD/ 5,0-93B/R4AC SCO - 1407501



NBC-MSD/10,0-93B/R4AC SCO - 1407502



Sensor/actuator cable

SAC-5P-MS/ 2,0-186 SCO - 1518326



SAC-5P-MS/ 5,0-186 SCO - 1518339



SAC-5P-MS/10,0-186 SCO - 1518342



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accessories

SAC-5P-MS/15,0-186 SCO - 1518355



SAC-5P- 2,0-186/FS SCO - 1518368



SAC-5P- 5,0-186/FS SCO - 1518371



SAC-5P-10,0-186/FS SCO - 1518384



SAC-5P-15,0-186/FS SCO - 1518397



SAC-5P-MS/ 0,3-186/FS SCO - 1518407



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accessories

SAC-5P-MS/ 0,5-186/FS SCO - 1518410



SAC-5P-MS/ 1,0-186/FS SCO - 1518423



SAC-5P-MS/ 2,0-186/FS SCO - 1518436



SAC-5P-MS/ 5,0-186/FS SCO - 1518449



SAC-5P-MS/10,0-186/FS SCO - 1518452



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accessories

SAC-5P-MS/15,0-186/FS SCO - 1518465



Circular connector (cable-side)

SACC-M12MSD-4CON-PG 7-SH - 1521258



SACC-M12MSD-4CON-PG 9-SH - 1521261



SACC-M12MS-5SC M - 1508187



SACC-M12FS-5SC M - 1508200



Device marking

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accessories

ZBN 18:UNBEDRUCKT - 2809128



accessories

VS-M12MSD-RJ45-931/ 1,0 - 1657575



VS-M12MSD-RJ45-931/ 2,0 - 1657588



VS-M12MSD-RJ45-931/ 5,0 - 1657591



PROT-M12-M - 2736194



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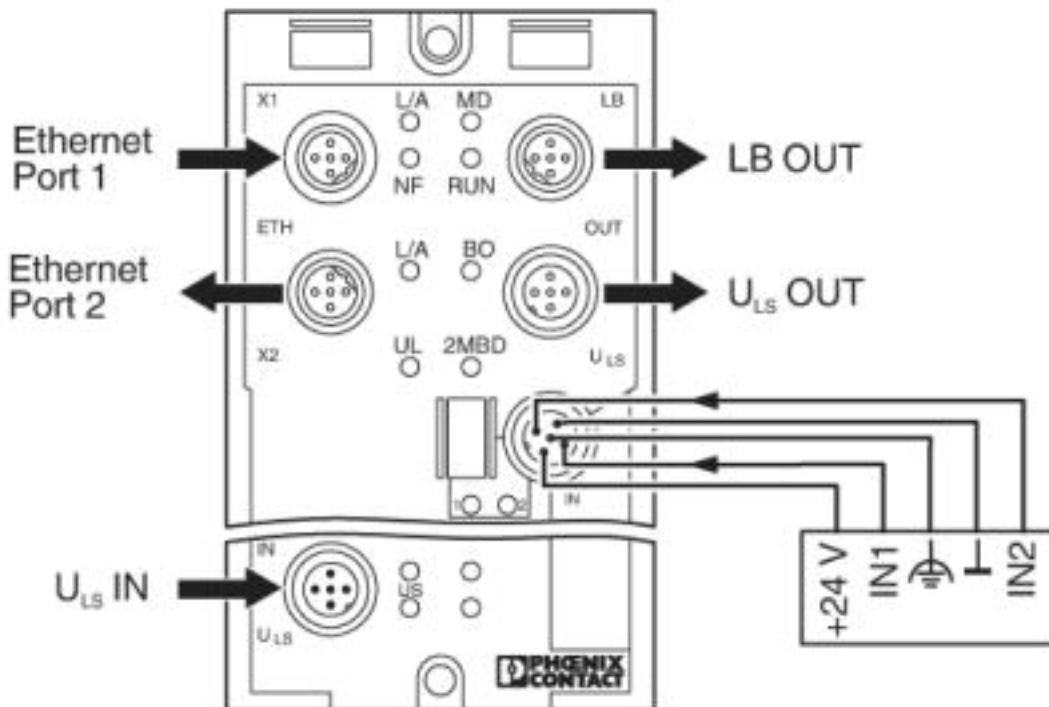
accessories

ZBF 12:SO/CMS - 0810038



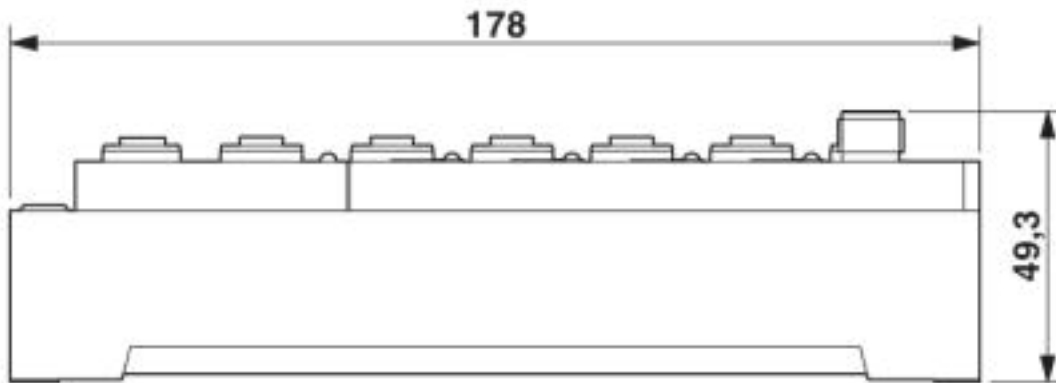
Drawings

Connection diagram



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Dimensioned drawing



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