

Bus coupler - FLM BK IB M12 DI 8 M12 - 2736301

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The INTERBUS bus coupler opens a local bus for up to 16 devices. Additional functions: easy plug and play installation, 8 digital inputs, channel-specific diagnostics, short-circuit and overload protection, M12 fast connection technology.

Product Description

Fieldline modular bus coupler for INTERBUS with eight digital inputs

Product Features

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



Key commercial data

package_quantity	1
GTIN	4017918951061

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 ... 60 °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

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Technical data

General

Weight	280 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	24 V supply (bus logics) / FE 500 V AC 50 Hz 1 s
Test section	24 V supply (bus logics) / Digital inputs (sensor supply / I/O) 500 V AC 50 Hz 1 s
Test section	24 V supply (bus logics) / Digital outputs (actuator supply) 500 V AC 50 Hz 1 s
Test section	24 V supply (bus logics) / Incoming remote bus 500 V AC 50 Hz 1 s
Test section	24 V supply (bus logics) / Outgoing remote bus 500 V AC 50 Hz 1 s
Test section	Digital inputs (sensor supply / I/O) / FE 500 V AC 50 Hz 1 s
Test section	Digital inputs (sensor supply) / Digital outputs (actuator supply) 500 V AC 50 Hz 1 s
Test section	Digital inputs (sensor supply / I/O) / Incoming remote bus 500 V AC 50 Hz 1 s
Test section	Digital inputs (sensor supply / I/O) / Outgoing remote bus 500 V AC 50 Hz 1 s
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 Load 30 g, half sine wave, positive and negative per direction
Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g in each space direction

Interfaces

Fieldbus system	INTERBUS
Name	INTERBUS
Connection method	M12 connector, B-coded
Designation connection point	Copper cable
Transmission speed	500 kBit/s / 2 MBit/s
Number of positions	5

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)

Fieldline potentials

Voltage supply U_L	24 V DC
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Fieldline potentials

Power supply at U_L	max. 4 A
Current consumption from U_L	max. 100 mA (At 2 Mbaud)
Current consumption from U_L	typ. 75 mA (At 2 Mbaud)
Current consumption from U_L	max. 100 mA (At 500 kBaud)
Current consumption from U_L	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. 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
Number of inputs	8 (double-occupancy)
Protective circuit	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	27242604
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

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classifications

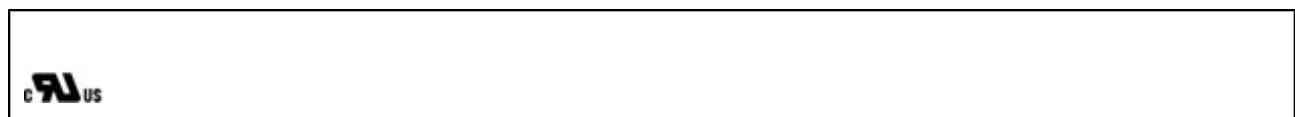
UNSPSC

UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

approvals

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

Approval details



accessories

Terminal marking

ZBF 12:UNBEDRUCKT - 0809735



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accessories

Data cable preassembled

SAC-5P-M12MSB/ 2,0-900 - 1507065



SAC-5P-M12MSB/ 5,0-900 - 1507078



SAC-5P-M12MSB/10,0-900 - 1507081



SAC-5P-M12MSB/15,0-900 - 1507094



SAC-5P- 2,0-900/M12FSB - 1507117



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accessories

SAC-5P- 5,0-900/M12FSB - 1507120



SAC-5P-10,0-900/M12FSB - 1507133



SAC-5P-15,0-900/M12FSB - 1507146



SAC-5P-M12MSB/ 0,3-900/M12FSB - 1507162



SAC-5P-M12MSB/ 0,5-900/M12FSB - 1507175



SAC-5P-M12MSB/ 1,0-900/M12FSB - 1507188



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accessories

SAC-5P-M12MSB/ 2,0-900/M12FSB - 1507191



SAC-5P-M12MSB/ 5,0-900/M12FSB - 1507201



SAC-5P-M12MSB/10,0-900/M12FSB - 1507214



SAC-5P-M12MSB/15,0-900/M12FSB - 1507227



Sensor/actuator cable

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



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accessories

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



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



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



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accessories

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



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



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



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accessories

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



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



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



Circular connector (cable-side)

SACC-M12MSB-5CON-PG9 SH AU - 1507764



SACC-M12FSB-5CON-PG9 SH AU - 1507777



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accessories

SACC-M12MSB-5SC SH - 1513570



SACC-M12FSB-5SC SH - 1513596



SACC-M12MRB-5SC SH - 1513583



SACC-M12FRB-5SC SH - 1513606



SACC-M12MS-5SC M - 1508187



SACC-M12FS-5SC M - 1508200



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Device marking

ZBN 18:UNBEDRUCKT - 2809128



accessories

PROT-M12-M - 2736194



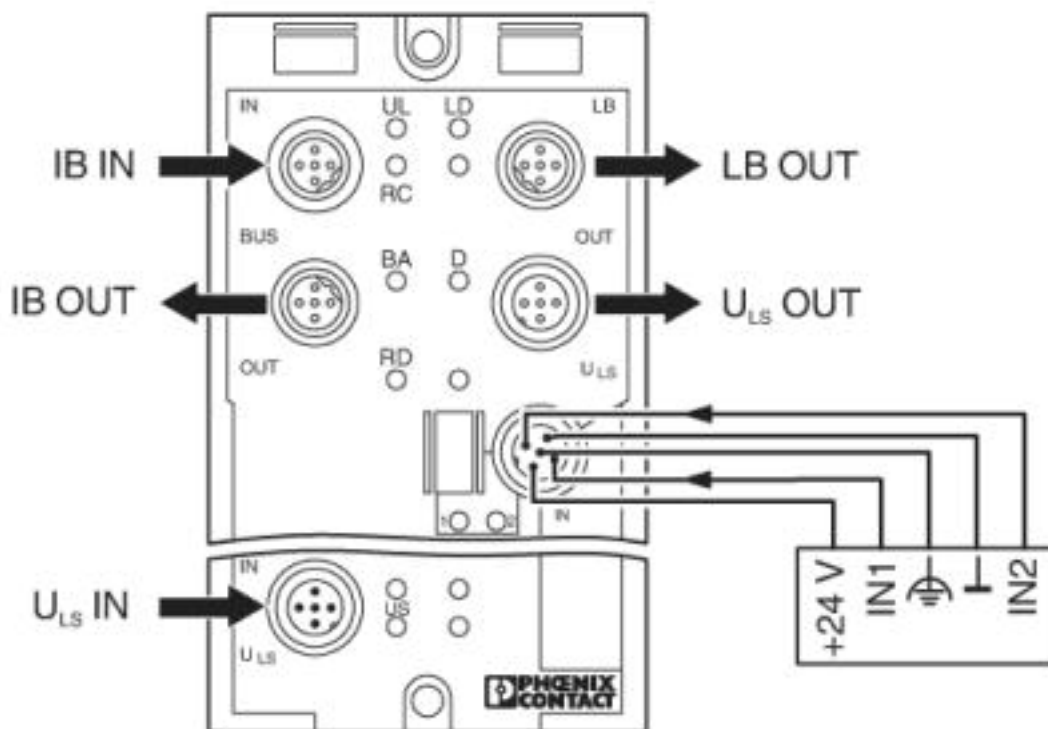
ZBF 12:SO/CMS - 0810038



Drawings

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Connection diagram



Dimensioned drawing

