

Bus coupler - FLM BK EIP M12 DI 8 M12-2TX - 2773322

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The EtherNet/IP™ bus coupler opens a local bus for up to 16 devices. Additional functions: 10 Mbps and 100 Mbps, auto negotiation, auto crossover, 8 digital inputs, channel-specific diagnostics, short-circuit/overload protection, M12 fast connection technology.

Product Features

- Ethernet/IP
- 8 inputs, 24 V DC
- M12 connection technology with SPEEDCON rapid interlock system



Key commercial data

package_quantity	1
GTIN	4046356166096

Technical data

Dimensions

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

Weight	280 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	To I/O 500 V DC

Interfaces

Fieldbus system	EtherNet/IP™
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Technical data

Interfaces

Name	Ethernet / IP
Connection method	M12 connectors, D-coded
Designation connection point	Copper cable
Transmission speed	10/100 MBit/s (autonegotiation)
Number of positions	4

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
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

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Digital inputs

Input voltage range "1" signal	13 V DC ... 30 V DC
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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

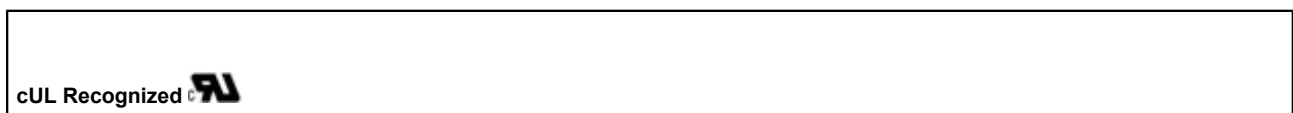
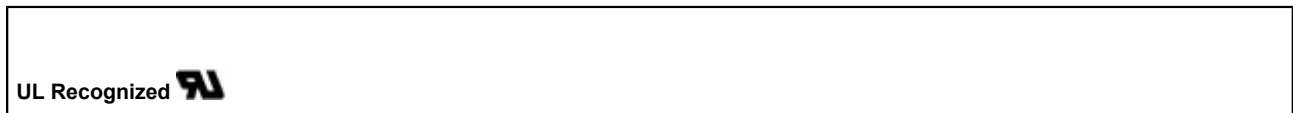
UNSPSC

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

approvals

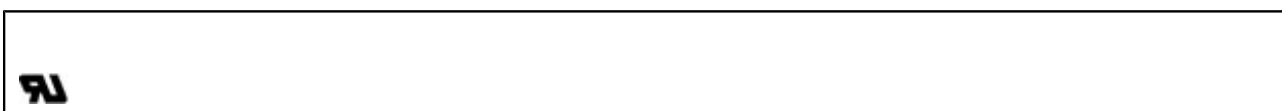
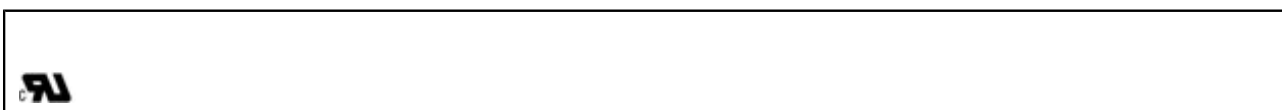
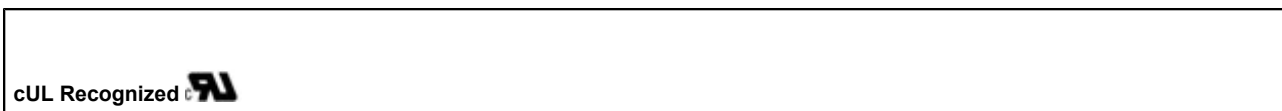
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Approval details



Bus coupler - FLM BK EIP M12 DI 8 M12-2TX - 2773322

approvals



accessories

Terminal marking

ZBF 12:UNBEDRUCKT - 0809735



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accessories

Data cable preassembled

SAC-4P-M12MSD/ 2,0-930 - 1524006



SAC-4P-M12MSD/ 5,0-930 - 1524019



SAC-4P-M12MSD/10,0-930 - 1524022



SAC-4P-M12MSD/15,0-930 - 1524035



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

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



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



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



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accessories

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



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



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



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accessories

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



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



Circular connector (cable-side)

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



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accessories

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



SACC-M12MS-5SC M - 1508187



SACC-M12FS-5SC M - 1508200



Device marking

ZBN 18:UNBEDRUCKT - 2809128



accessories

VS-M12MSD-RJ45-931/ 0,5 - 1657562



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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



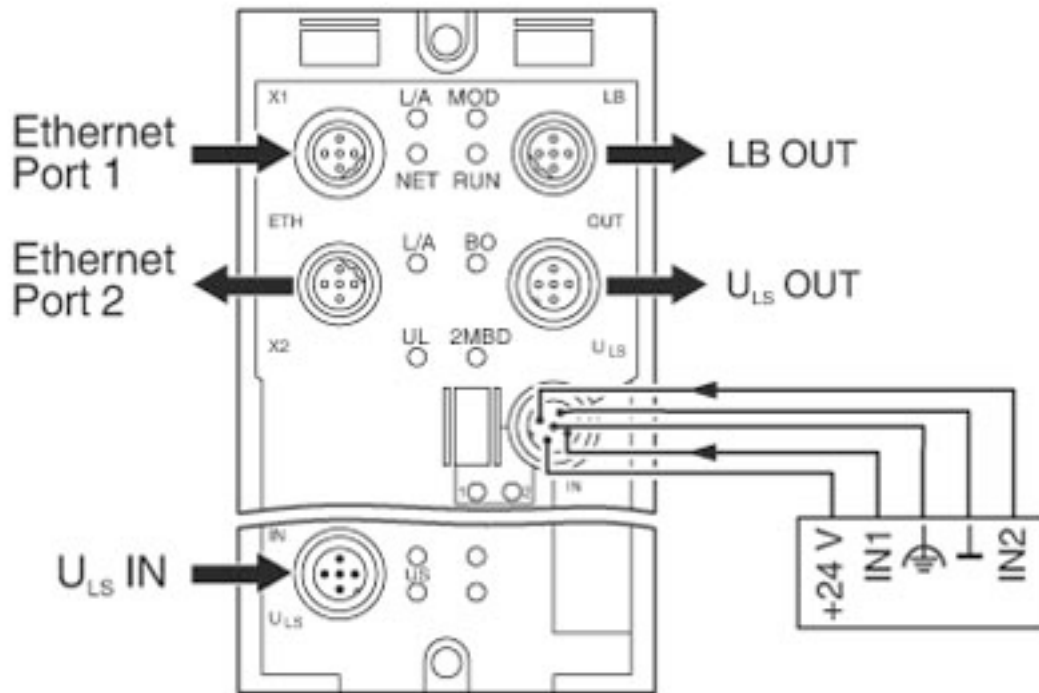
ZBF 12:SO/CMS - 0810038



Drawings

Bus coupler - FLM BK EIP M12 DI 8 M12-2TX - 2773322

Connection diagram



Dimensioned drawing

