

Bus coupler - IBS IL 24 BK-LK-PAC - 2861218

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INTERBUS bus coupler, with fiber optic connection, 24 V DC, complete with accessories (plug and labeling field)

Product Features

- Remote bus connections using fiber optic technology
- Optical path diagnostics



Key commercial data

package_quantity	1
GTIN	4017918894160

Technical data

Note:

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

Width	85 mm
Height	119.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %
Air pressure (operation)	80 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

General

Weight	220 g
Note on weight specifications	Without plug
Mounting type	DIN rail

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Technical data

General

Test section	7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply/functional earth ground 500 V AC 50 Hz 1 min
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Interfaces

Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Fieldbus system	INTERBUS
Name	INTERBUS remote bus
Connection method	4x F-SMA connector
Transmission speed	500 kBit/s
Transmission physics	FO
Name	Supply
Connection method	8-pos. Inline connector

System limits of the bus coupler

Number of local bus devices that can be connected	63
Number of devices with parameter channel	62
Number of branch terminals with remote bus branch	max. 15

Power supply for module electronics

Connection method	Inline plugs
Supply voltage	24 V DC (via Inline plug)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 1.25 A (with max. number of connected I/O terminal blocks)

Inline potentials

Communications power U_L	7.5 V DC $\pm 5\%$
Power supply at U_L	max. 2 A DC (observe derating)
I/O supply voltage U_{ANA}	24 V DC -15% / +20%
Power supply at U_{ANA}	max. 0.5 A DC (observe derating)

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

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classifications

ETIM

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

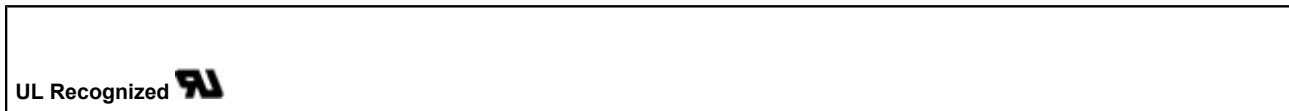
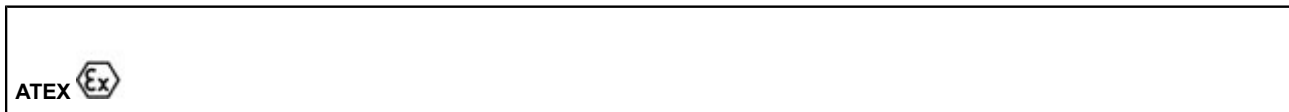
UNSPSC

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

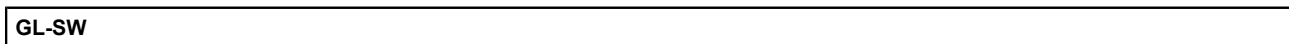
approvals

ATEX / UL Recognized / cUL Recognized / GOST / GL / GL-SW / BSH / BSH / cULus Recognized / GL /

Approval details



GL	
Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	6




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approvals

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BSH

cULus Recognized 

accessories

End block

E/UK - 1201442



Terminal marking

ESL 62X10 - 0809492



Labeling panel

IB IL FIELD 2 - 2727501



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accessories

Plug

IB IL SCN-8-CP - 2727608



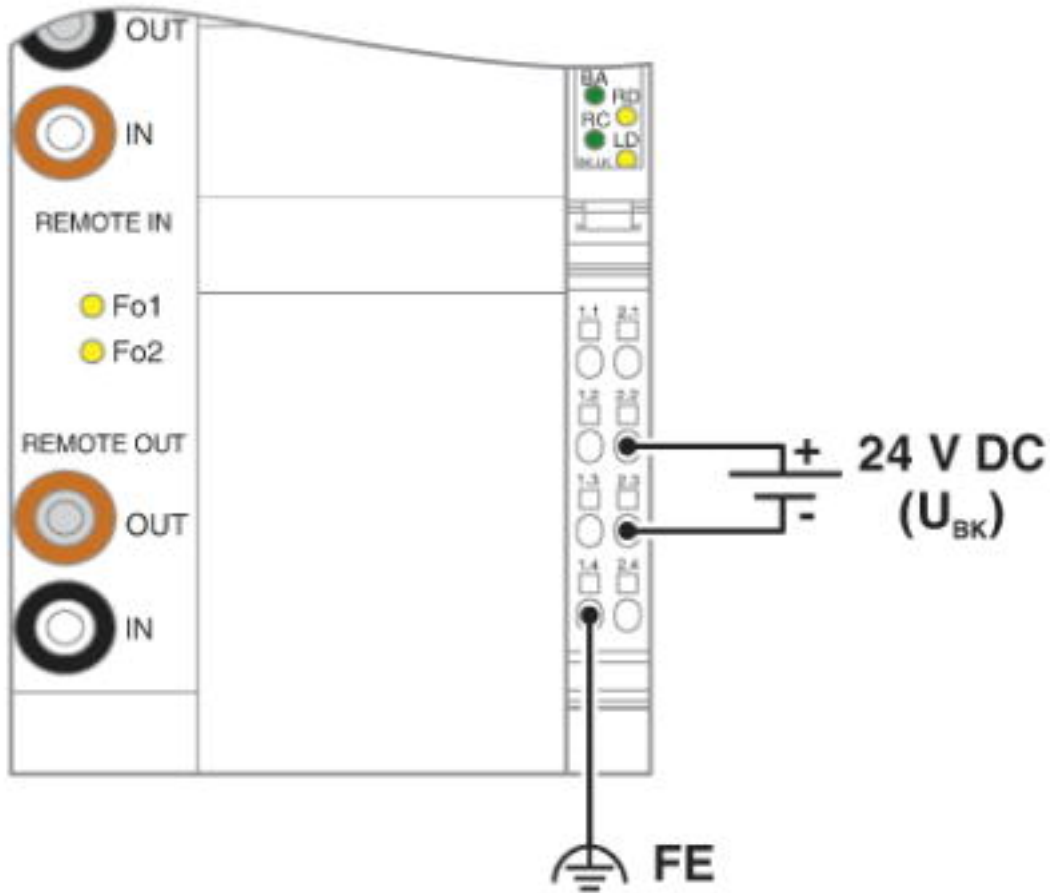
accessories

DB D IBS SYS FOC ASSEMBLY - 9393909

Drawings

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Connection diagram



Block diagram

