

## Bus coupler - IBS IL 24 BK RB-LK-PAC - 2861506

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INTERBUS bus coupler, with fiber optic connection and fiber optic remote bus branch, 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

Packing unit	1 pc
Weight per Piece (excluding packing)	335.0 g
Custom tariff number	85389091
Country of origin	Germany

### 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 %

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## Technical data

### Ambient conditions

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

Mounting type	DIN rail
Net weight	235 g
Note on weight specifications	Without plug

### Interfaces

Fieldbus system	INTERBUS
Designation	INTERBUS
Connection method	F-SMA connector
Transmission speed	500 kBit/s
Transmission physics	FO
Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s
Transmission physics	FO

### System limits of the bus coupler

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

### Power supply for module electronics

Connection method	Inline connector
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 1.3 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)

### Standards and Regulations

## Bus coupler - IBS IL 24 BK RB-LK-PAC - 2861506

### Technical data

#### Standards and Regulations

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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### 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

#### Approvals

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#### Approvals

#### EAC

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#### Ex Approvals

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### Approvals

Approvals submitted

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### Approval details

EAC
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### Accessories

Accessories

End block

End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

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### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



### Plug

Inline connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

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### Terminal marking

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### Accessories

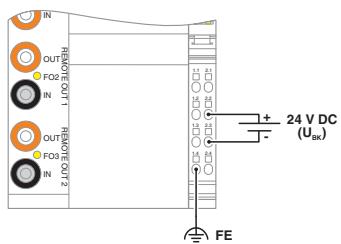
Insert strip - ESL 62X10 - 0809492



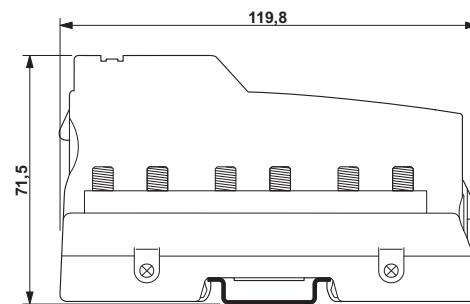
Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm

### Drawings

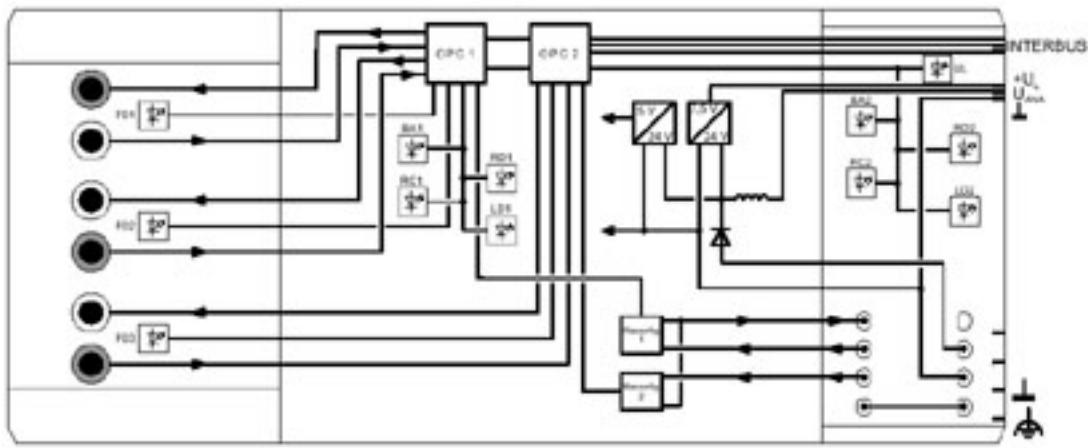
Connection diagram



Dimensional drawing



Block diagram



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