

Bus coupler - IBS IL 24 BK-DSUB-PAC



2861593

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Inline, Bus coupler, INTERBUS, D-SUB-9 female/D-SUB-9 male, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field

Product Description

The bus coupler connects an Inline station to the INTERBUS remote bus and provides the supply voltages for the connected devices.

Your advantages

- Remote bus connections using copper technology
- Electrical isolation

Commercial Data

Item number	2861593
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DRI111
Product Key	DRI111
Catalog Page	Page 107 (C-6-2019)
GTIN	4017918894443
Weight per Piece (including packing)	292 g
Weight per Piece (excluding packing)	210 g
Customs tariff number	85389091
Country of origin	DE

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Technical Data

Dimensions

Dimensional drawing	
Width	85 mm
Height	119.8 mm
Depth	71.5 mm

Notes

Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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Material specifications

Color	green
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Interfaces

INTERBUS

Number of interfaces	2
Connection method	D-SUB-9 female/D-SUB-9 male
Transmission speed	500 kbps
Transmission physics	Copper

Inline local bus

Number of interfaces	1
Connection method	Inline data jumper
Transmission speed	500 kbps

System properties

System limits

Number of supported devices	max. 63
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

Module

ID code (dec.)	04
ID code (hex)	04

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Length code (hex)	00
Length code (dec)	00
Process data channel	0 Bit
Input address area	0 Byte
Output address area	0 Byte
Register length	0 Bit

Product properties

Type	modular
Product type	I/O component
Scope of delivery	including Inline connector and labeling field

Electrical properties

Maximum power dissipation for nominal condition	30 W
Protective circuit	Reverse polarity protection

Potentials: Bus coupler supply U_{BK} ; Communications power U_L (7.5 V) and the analog supply U_{ANA} (24 V) are generated from the bus coupler supply.

Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current draw	max. 1.25 A (with max. number of connected I/O terminal blocks) typ. 100 mA (without connected Inline I/O terminals)

Potentials: Communications power (U_L)

Supply voltage	7.5 V DC $\pm 5\%$ max. 2 A DC (observe derating)
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Potentials: Supply of analog modules (U_{ANA})

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple) max. 0.5 A DC (observe derating)

Connection data

Connection technology

Connection name	Inline connector
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Conductor connection

Connection method	Spring-cage connection
Conductor cross section solid	0.08 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Inline connector

Connection method	Spring-cage connection
Conductor cross section, rigid	0.08 mm ² ... 1.5 mm ²

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Conductor cross section, flexible	0.08 mm ² ... 1.5 mm ²
Conductor cross section AWG	28 ... 16
Stripping length	8 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)

Mounting

Mounting type	DIN rail mounting
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Accessories

Inline connector

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

<https://www.phoenixcontact.com/gb/products/2727608>

Inline connector, colored



Labeling field

Labeling field - IB IL FIELD 2 - 2727501

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Labeling field, width: 12.2 mm



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Insert strip

Insert strip - ESL 62X10 - 0809492

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Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72



End clamp

End clamp - E/UK - 1201442

<https://www.phoenixcontact.com/gb/products/1201442>

End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35



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PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk