

Bus coupler - IBS IL 24 BK-DSUB-2MBD - 2855949

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INTERBUS bus coupler, subminiature connection, transmission speed 2 Mbaud, 24 V DC, without accessories



The illustration shows the version IBS IL 24 BK-DSUB



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	300.8 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

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 % (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.)
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

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Technical data

Interfaces

Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Fieldbus system	INTERBUS
Name	INTERBUS remote bus
Connection method	D-SUB-9 female/D-SUB-9 male
Transmission speed	2 MBit/s
Transmission physics	Copper
Name	Supply
Connection method	8-pos. Inline connector

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 ripple)
Current consumption	max. 1.25 A (with max. number of connected I/O terminal blocks)

General

Weight	210 g
Mounting type	DIN rail

Inline potentials

Communications power U_L	7.5 V DC $\pm 5\%$
Power supply at U_L	max. 2 A DC (observe derating)
Main circuit supply U_M	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_M	max. 8 A DC (Sum of $U_M + U_S$)
Segment supply voltage U_S	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at U_S	max. 8 A DC (Sum of $U_M + U_S$)
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

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Classifications

eCl@ss

eCl@ss 6.0	27242608
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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

Accessories

Accessories

Connector set

Connector set - IBS DSUB 9/L - 2758473

Bus connector set, solder connection, male/female connector



Connector set - IBS DSUB 9/C - 2758486

Bus connector set, crimp connection, male/female connector



Plug

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Accessories

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



Inline connector, colored

Inline plug - IB IL SCN-PWR IN - 2727462



Connector, for Inline power and segment terminal blocks

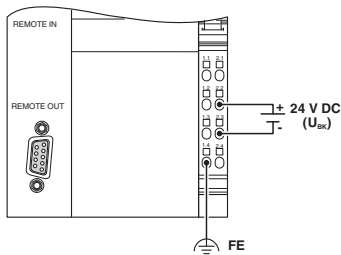
Inline plug - IB IL SCN-PWR IN-CP - 2727637



Connector, colored, for Inline power and segment terminal blocks

Drawings

Connection diagram



Dimensioned drawing

