

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 pc
Weight per Piece (excluding packing)	300.8 g
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	INTERBUS
Designation	INTERBUS
Connection method	D-SUB-9 female/D-SUB-9 male
Transmission speed	2 MBit/s
Transmission physics	Copper
Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Designation	Supply
Connection method	8-pos. Inline connector

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

General

Mounting type	DIN rail
Net weight	256.23 g

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 % (acc. to EN 61131-2)
Power supply at U_M	max. 8 A DC (Sum of $U_M + U_S$)
Segment circuit supply U_S	24 V DC -15 % / +20 % (acc. to 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 connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

Inline connector - IB IL SCN-PWR IN - 2727462



Connector, for Inline power and segment terminal blocks

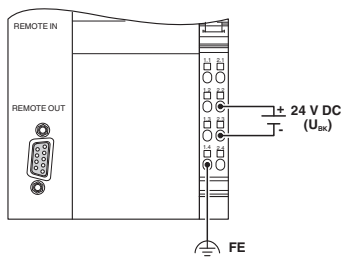
Inline connector - IB IL SCN-PWR IN-CP - 2727637



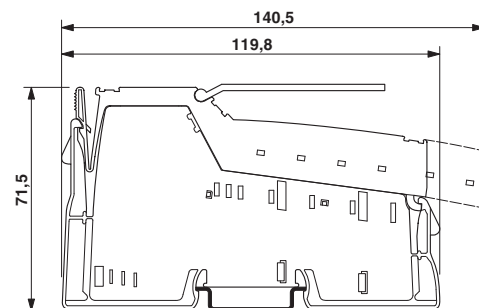
Connector, colored, for Inline power and segment terminal blocks

Drawings

Connection diagram



Dimensional drawing



Mouser Electronics

Authorized Distributor

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