

## 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

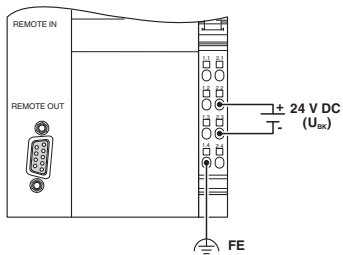
Inline plug - IB IL SCN-PWR IN-CP - 2727637



Connector, colored, for Inline power and segment terminal blocks

### Drawings

Connection diagram



Dimensioned drawing

