

## Bus coupler - IBS IL 24 BK-LK - 2726191

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



INTERBUS bus coupler, with fiber optic connection, 24 V DC, without accessories

### Product Description

The Inline bus terminal modules connect the terminals of an Inline station with the INTERBUS network.

A fiber optic cable is used for connection to the INTERBUS remote bus. The remote bus conductor is connected to the bus terminal module via an F-SMA connector.

The bus terminal module adopts the following functions within an Inline station:

- Refreshing the INTERBUS remote bus signals
- Decoupling the outgoing remote bus or the connected input/output modules using a software command
- Supplying the connected input/output modules using an integrated power supply unit
- Connection to functional earth ground when installed on the DIN rail

The Inline terminals can be labeled using hinged labeling fields. The fields have insert cards that can be labeled individually to suit the application.

Additionally, there is the ZBFM -6... Zack strip for labeling the terminal points.

Please note the following when you configure the system:

The total logic current of all terminals connected to an Inline bus terminal module must not exceed the maximum permissible total current of 2 A.

Therefore, depending on your configuration, the number of terminals that you can connect may be less than 63.



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	295.25 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

# Bus coupler - IBS IL 24 BK-LK - 2726191

## Technical data

### 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 %
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	295.25 g

### Interfaces

Fieldbus system	INTERBUS
Designation	INTERBUS
Connection method	F-SMA connector
Transmission speed	500 kBit/s
Transmission physics	FO
Number of positions	2
Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Designation	Supply
Connection method	8-pos. Inline connector

### System limits of the bus coupler

Number of local bus devices that can be connected	max. 63
Number of devices with parameter channel	63
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 ripple)
Current consumption	max. 1.25 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 %

# Bus coupler - IBS IL 24 BK-LK - 2726191

## Technical data

### Inline potentials

Power supply at $U_{ANA}$	max. 0.5 A DC (observe derating)
---------------------------	----------------------------------

### 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.
--------------	--

## 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

### 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

#### End block

End clamp - E/UK - 1201442



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

# Bus coupler - IBS IL 24 BK-LK - 2726191

## Accessories

### 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

### Terminal marking

Insert strip - ESL 62X10 - 0809492

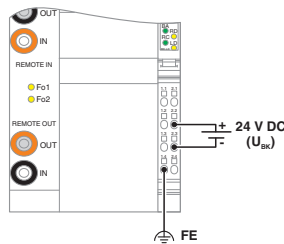
Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 10 mm



## Drawings

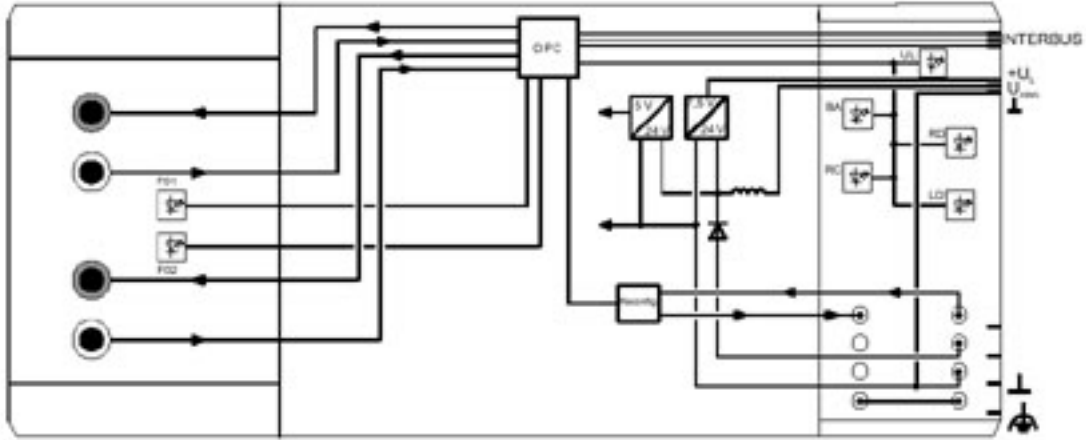
Dimensional drawing

Connection diagram



# Bus coupler - IBS IL 24 BK-LK - 2726191

Block diagram



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2726191](#)