

IBS ST 24 BKM-LK - Bus coupler

2750963

<https://www.phoenixcontact.com/us/products/2750963>

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INTERBUS-ST bus terminal module, 24 V DC, with optical fiber F-SMA connector, IP20 protection, consisting of: Terminal part with screw connection and module electronics

Product description

INTERBUS ST standard bus terminal modules

The INTERBUS bus terminal module connects the input/output modules of an ST station with the INTERBUS network.

Depending on the transmission medium used, the bus terminal modules are equipped with different bus connections. For copper conductors, D-SUB and MINI-COMBICON connectors are available. The fiber optic versions are equipped with F-SMA connectors.

The bus terminal modules are available in two different performance classes. A maximum of 4 or 8 input/output modules can be operated on one bus terminal module.

The bus terminal module takes on the following functions within a modular INTERBUS-ST station:

- Refreshing the INTERBUS remote bus signals
- Electrical isolation of the remote bus segments
- Decoupling of the outgoing remote bus or of the connected input/ output modules from the INTERBUS network with a software command
- Supply of the connected input/output modules with an electrically isolated voltage supply from an integrated power supply unit

Commercial data

Item number	2750963
Packing unit	1 pc
Sales key	NULL
Product key	DRI311
GTIN	4017918120160
Weight per piece (including packing)	256.2 g
Weight per piece (excluding packing)	166.18 g
Customs tariff number	85389091
Country of origin	DE

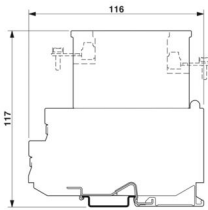
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Technical data

Dimensions

Dimensional drawing	
Width	44 mm
Height	117 mm
Length	116 mm

Interfaces

INTERBUS remote bus (incoming/outgoing)

Connection method	4x F-SMA connector
Transmission speed	500 kbps

ST local bus

Connection method	ST local bus connector
Transmission speed	500 kbps

Product properties

Product type	I/O component
Product family	Smart Terminal ST
Type	modular

Electrical properties

Test section	Between supply voltage and ST local bus 500 V AC 50 Hz 1 min
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Supply

I/O voltage	24 V DC
I/O voltage range	20 V DC ... 30 V DC
Residual ripple	± 1.2 V
Max. current consumption	300 mA (for max. terminal configuration) 500 mA (of all I/O modules max.)
Typical current consumption	70 mA (without connected ST I/O modules)

Connection data

Connection method	Screw connection
Conductor cross-section, rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section, flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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Mounting

Mounting type	DIN rail mounting
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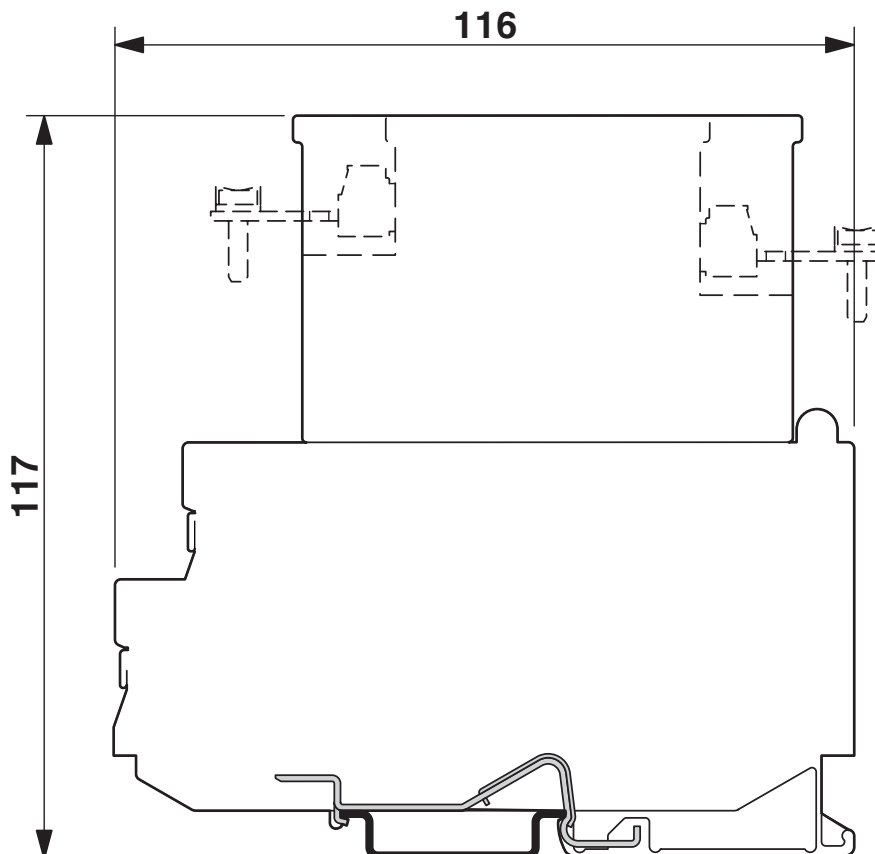
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Drawings

Dimensional drawing



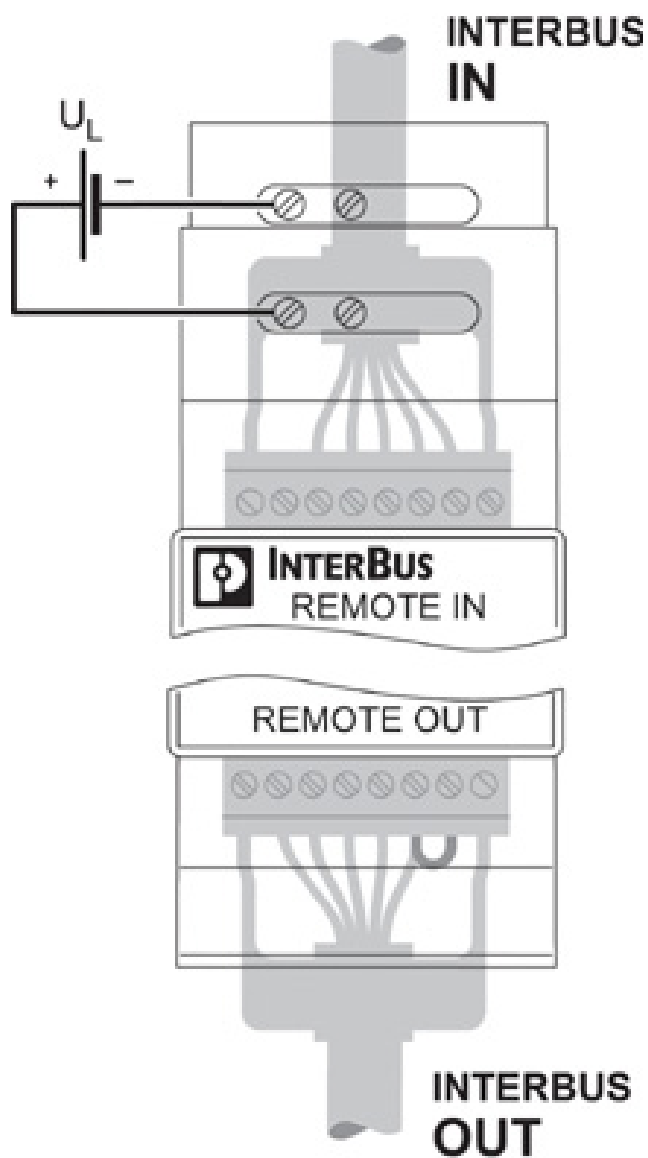
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Connection diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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