PHŒNIX CONTACT

Bus coupler - IBS ST ZF 24 BK-T - 2750743

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The illustration shows version IBS ST 24 BK-LK

INTERBUS-ST bus terminal module, 24 V DC, 9-pos., D-SUB plug, IP20 protection, consisting of: Terminal part with spring-cage 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

Product Features

- Up to 8 I/O modules can be connected
- Copper or fiber optic connection
- Spring-cage connection with direct plug-in technology

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 108403
Weight per Piece (excluding packing)	512.4 g
Custom tariff number	85389091
Country of origin	Germany

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Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	81 mm
Height	117 mm
Depth	116 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 75 % (On average, non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (On average, non-condensing)
Air pressure (operation)	86 kPa ... 108 kPa (up to 1500 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20

Interfaces

Fieldbus system	INTERBUS
Designation	INTERBUS
Connection method	9-pos. D-SUB plug/socket
Designation connection point	Incoming/Outgoing Remote Bus
Number of positions	9
Fieldbus system	Lokalbus
Designation	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s

Digital inputs

Connection method	Spring-cage connection

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30.5 V DC (including ripple)
Ripple	3.6 V_{pp} within the allowable voltage range
Current consumption	typ. 150 mA (without ST module expansions)

General

Mounting type	DIN rail
Net weight	470 g

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Technical data

Standards and Regulations

Test section	Incoming remote bus / Outgoing remote bus 500 V AC 50 Hz 1 min.
	Supply voltage/Ground conductor 500 V AC 50 Hz 1 min.
	Incoming remote bus/ST interface 500 V AC 50 Hz 1 min.
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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
eCl@ss 7.0	27242608
eCl@ss 8.0	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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / INTERBUS CLUB / EAC / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

INTERBUS CLUB

EAC

cULus Recognized

Accessories

Accessories

Bridge

Jumper - IB ST LBC - 2836492

Spare local bus cable, for INTERBUS-ST modules

Fuse

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Accessories

Fuse - IBS TR5 1AT - 2806600

Replacement fuse, for INTERBUS-ST modules

I/O component

Replacement electronics module - IBS STME 24 BK-T - 2754367

Replacement module electronics for IB ST (ZF) 24 BK-T

Spare parts

Jumper - IB ST LBC - 2836492

Spare local bus cable, for INTERBUS-ST modules

Fuse - IBS TR5 1AT - 2806600

Replacement fuse, for INTERBUS-ST modules

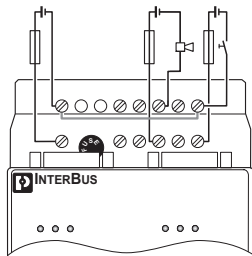Replacement electronics module - IBS STME 24 BK-T - 2754367

Replacement module electronics for IB ST (ZF) 24 BK-T

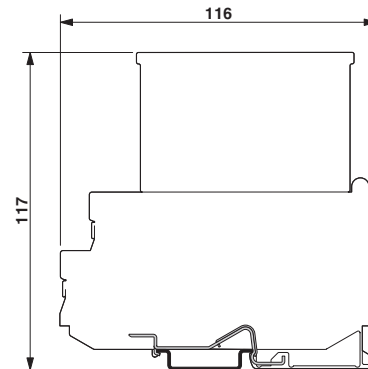# Bus coupler - IBS ST ZF 24 BK-T - 2750743

Accessories

Drawings

Connection diagram

Dimensional drawing

Mouser Electronics

Authorized Distributor

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