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Bus coupler - IBS ST 24 BKM-LK - 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

Key commercial data

Packing unit	1 pc
GTIN	4 017918 120160
Weight per Piece (excluding packing)	256.2 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

Dimensions

Width	44 mm
Height	117 mm
Length	116 mm

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Technical data

Ambient conditions

Degree of protection	IP20

Interfaces

Interface	INTERBUS remote bus (incoming/outgoing)
Connection method	4x F-SMA connector
Transmission speed	500 kBit/s
Interface	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s

Power supply

Communications supply	9 V DC
Typical current consumption	70 mA (without connected ST I/O modules)
Max. current consumption	300 mA (for max. terminal configuration)
	500 mA (of all I/O modules max.)
I/O voltage	24 V DC
I/O voltage range	20 V DC ... 30 V DC

Electrical isolation

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

INTERBUS data

Max. number of ST I/O modules	4 (observe total current consumption)
Maximum distance to the next remote bus device	500 m

Programmable functions

Programmable functions	Local bus branch disable
	Local bus reset
	Remote bus disable (outgoing remote bus)
	Remote bus reset

General

Weight	200 g
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

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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

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
ETIM 5.0	EC001604

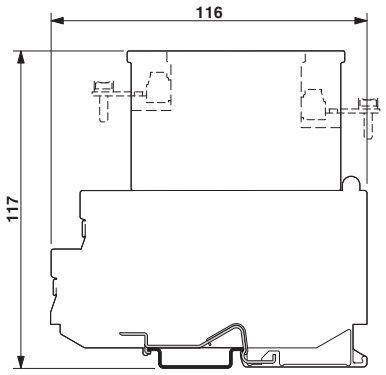
UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Drawings

Bus coupler - IBS ST 24 BKM-LK - 2750963

Dimensioned drawing



Connection diagram