

Bus coupler - IBS ST 24 BKM-T - 2750154

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INTERBUS-ST bus terminal module, 24 V DC, with 8-pos. MINI-COMBICON plug, 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

Why buy this product

- Copper or fiber optic connection
- Additional I/Os onboard
- Additional remote/local bus branches



Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 234 (AX-2011)
GTIN	 4 017918 108298
Custom tariff number	85389091
Country of origin	GERMANY

Technical data

Note:

Utilization restriction	The operation of this device does not meet the general EMC protection requirements for residential areas. Please take the appropriate precautions.
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Technical data

Interface

Fieldbus system	INTERBUS
Name	INTERBUS remote bus
Connection method	8-pos. mini Combicon connector
Designation connection point	Incoming/Outgoing Remote Bus
Number of positions	8
Fieldbus system	Lokalbus
Name	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s

Digital inputs

Connection method	Screw connection
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Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	20 V DC ... 30 V DC (including ripple)
Ripple	3.6 V _{pp} within the allowable voltage range
Current consumption	Typ. 150 mA (without ST module expansions)

General data

Width	44 mm
Height	117 mm
Depth	116 mm
Weight	200 g
Mounting type	DIN rail
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 75 % (no condensation)
Permissible humidity (storage/transport)	30 % ... 95 % (no condensation)
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
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	Incoming remote bus / Outgoing remote bus 500 V AC 50 Hz 1 min
Test section	Incoming remote bus/ST interface 500 V AC 50 Hz 1 min

Classifications

ETIM

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

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Classifications

UNSPSC

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

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

Approvals

Approvals

Approvals

GOST / INTERBUS CLUB

Ex Approvals

Approvals submitted

Approval details



Accessories

Accessories

Assembly

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Accessories

Shield connection clamp - IBS RB-SHIELD - 2722742



Replacement shield point, for INTERBUS-ST bus terminal block BKM-...

Bridges

Insertion bridge - EB 84 IB ST BU - 2836269



Insertion bridges, divisible, isolated comb spine, color blue, 84-pos.

Insertion bridge - EB 84 IB ST RD - 2836272



Insertion bridges, divisible, isolated comb spine, color red, 84-pos.

Cable/conductor

Jumper - IB ST LBC - 2836492



Spare local bus cable, for INTERBUS-ST modules

Plug/Adapter

Connector set - IBS RB PLSET/MC 1,5/8 - 2722755



Replacement remote bus connector set, for INTERBUS-ST bus terminal block BKM-...

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Accessories

Software - AX+ BASIC - 2985068



Software CD for FDT container for integrating device DTMs (free download)

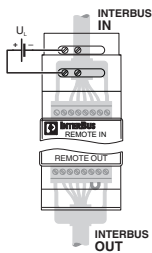
Software - AX DTM LIB - 2988065



DTM library

Drawings

Connection diagram



Dimensioned drawing

