

IBS ST 24 BKM-T


Order No.: 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



Commercial data

GTIN (EAN)	
sales group	K400
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 234 (AX-2011)

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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

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

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
	Incoming remote bus/ST interface 500 V AC 50 Hz 1 min

Certificates / Approvals



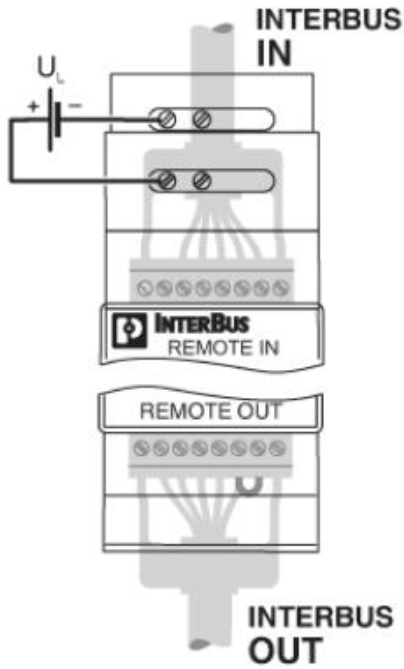
Certification GOST

Accessories

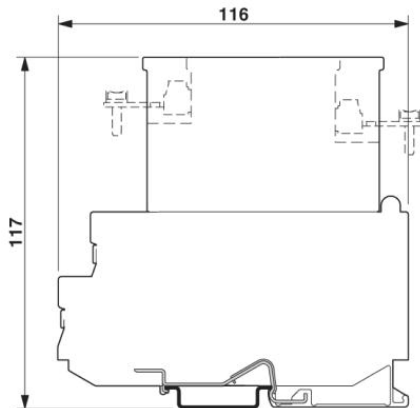
Item	Designation	Description
Assembly		
2722742	IBS RB-SHIELD	Replacement shield point, for INTERBUS-ST bus terminal block BKM-...
Bridges		
2836269	EB 84 IB ST BU	Insertion bridges, divisible, isolated comb spine, color blue, 84-pos.
2836272	EB 84 IB ST RD	Insertion bridges, divisible, isolated comb spine, color red, 84-pos.
Cable/conductor		
2836492	IB ST LBC	Spare local bus cable, for INTERBUS-ST modules
Plug/Adapter		
2722755	IBS RB PLSET/MC 1,5/8	Replacement remote bus connector set, for INTERBUS-ST bus terminal block BKM-...

Diagrams/Drawings

Connection diagram



Dimensioned drawing



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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