


IBS ST 24 BK RB-T

Order No.: 2753504

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2753504>

INTERBUS-ST bus terminal module, 24 V DC, 9-pos., D-SUB with additional remote bus stub line, 9-pos. D-SUB, IP20 protection, consisting of: Terminal part with screw connection and module electronics



| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 099589 |
| sales group | K400 |
| Pack | 1 pcs. |
| Customs tariff | 85389091 |
| Catalog page information | Page 337 (AX-2009) |

Product notes

WEEE/RoHS-compliant since:
09/29/2008



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Product description

INTERBUS ST bus terminal modules with additional interfaces (Bus)

In addition to configuring a modular input/output station with ST modules, the bus terminal modules with additional INTERBUS interfaces provide the option of connecting further INTERBUS network devices.

The IBS ST 24 BK LB-T module is equipped with an additional local bus interface with a 15-pos. D-SUB connector. The flat pack design input/output modules from PHOENIX CONTACT, for example, and frequency inverters with local bus interfaces can be connected to this interface.

An additional remote bus connection is provided by the IBS ST 24 RB-T. All devices with an INTERBUS remote bus interface can be connected in this remote bus branch.

The input/output bus terminal modules with additional fiber optic interfaces are available for integrating INTERBUS compatible devices into an INTERBUS fiber optic network.

All INTERBUS bus terminal modules make it possible to individually enable/disable the additional bus interfaces. To some extent, they perform the role of two bus terminal modules in the INTERBUS system and are also treated as such in the address lists and configuring software (CMD).

Note: When configuring buses branching off from the bus terminal modules, please observe the topology supported by INTERBUS controller boards.

Technical data

Interface

| | |
|------------------------------|------------------------------|
| Fieldbus system | INTERBUS |
| Name | INTERBUS remote bus |
| Type of connection | 9-pos. D-SUB plug/socket |
| Designation connection point | Incoming/Outgoing Remote Bus |
| Number of positions | 9 |
| Fieldbus system | Lokalbus |
| Name | ST local bus |
| Fieldbus system | INTERBUS |
| Name | INTERBUS remote bus branch |
| Type of connection | 9-pos. D-SUB female |
| Number of positions | 9 |

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 | 81 mm |
| Height | 117 mm |
| Depth | 116 mm |
| Weight | 470 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 |
| | Power supply voltage / ST local bus 500 V AC 50 Hz 1 min |
| | Incoming remote bus/ST interface 500 V AC 50 Hz 1 min |
| | Incoming remote bus/Remote bus branch 500 V AC 50 Hz 1 min |

Certificates / Approvals



Certification CUL, GOST, UL

Accessories

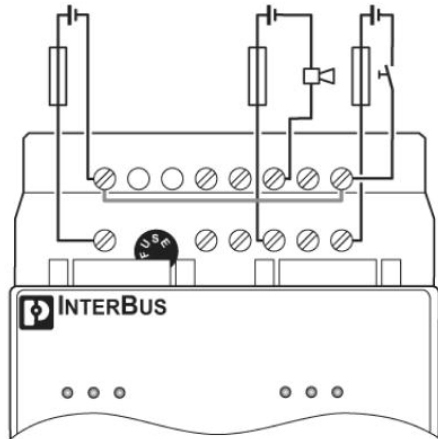
| Item | Designation | Description |
|----------------------------------|---------------------|--|
| Bridges | | |
| 2836269 | EB 84 IB ST BU | Insertion bridges, divisible, isolated comb spine, color blue, 84-pos. |
| 2836272 | EB 84 IB ST RD | Insertion bridges, divisible, isolated comb spine, color red, 84-pos. |
| Cable/conductor | | |
| 2836492 | IB ST LBC | Spare local bus cable, for INTERBUS-ST modules |
| Fuse | | |
| 2806600 | IBS TR5 1AT | Replacement fuse for INTERBUS-ST module |
| Replacement clamping part | | |
| 2752699 | IBS STTB 24 BK LB-T | Replacement clamping part for IBS ST 24 BK RB(LB)-T |

Replacement module electronics

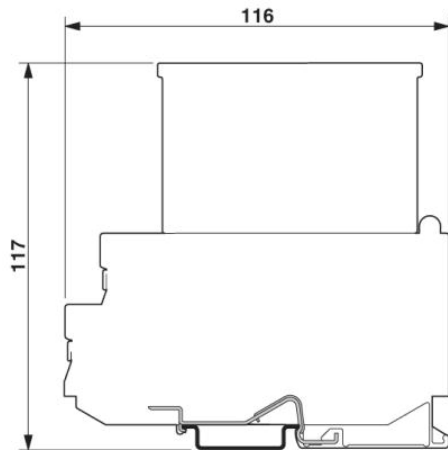
| | | |
|---------|---------------------|---|
| 2752932 | IBS STME 24 BK RB-T | Replacement module electronics for IBS ST (ZF) 24 BK RB-T |
|---------|---------------------|---|

Diagrams/Drawings

Connection diagram



Dimensioned drawing



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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