



Automatización Eléctrica
Especialistas en Automatización

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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 STK |
| GTIN | 4 017918 108298 |

Technical data

Note

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

Dimensions

| | |
|--------|--------|
| Width | 44 mm |
| Height | 117 mm |

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Technical data

Dimensions

| | |
|-------|--------|
| 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 % (non-condensing) |
| Permissible humidity (storage/transport) | 30 % ... 95 % (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 | Lokalbus |
| Designation | ST local bus |
| Connection method | ST local bus connector |
| Transmission speed | 500 kBit/s |
| Fieldbus system | INTERBUS |
| Designation | INTERBUS |
| Connection method | 8-pos. mini Combicon connector |
| Designation connection point | Incoming/Outgoing Remote Bus |
| Number of positions | 8 |

Digital inputs

| | |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

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) |
| Communications power U _L | 9 V DC |
| Current consumption | max. 500 mA (Total current consumption of all I/O modules on the ST local bus) |

General

| | |
|---------------|----------|
| Net weight | 200 g |
| Mounting type | DIN rail |

Standards and Regulations

| | |
|------------------|---|
| 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. |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |

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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 |
| 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

INTERBUS CLUB / EAC

Ex Approvals

Approvals submitted

Approval details

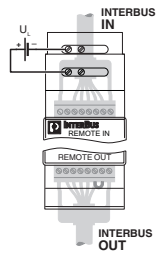
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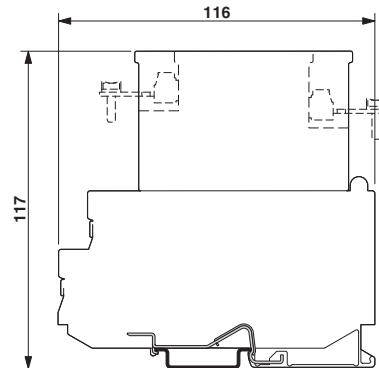
Drawings

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Connection diagram



Dimensional drawing



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