

Bus coupler - IBS IL 24 RB-T-2MBD-PAC - 2861962

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INTERBUS branch terminal block, 2MBD, with accessories, with remote bus branch, 24 V DC

Product Features

- Connections for a remote bus branch using copper technology



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 1 |
| GTIN | 4017918974626 |

Technical data

Note:

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

Dimensions

| | |
|--------|---------|
| Width | 12.2 mm |
| Height | 135 mm |
| Depth | 71.5 mm |

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -25 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 85 °C |
| Permissible humidity (operation) | 10 % ... 95 % (according to DIN EN 61131-2) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (according to DIN EN 61131-2) |
| Air pressure (operation) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Degree of protection | IP20 |

Interfaces

| | |
|--------------------|--------------------|
| Fieldbus system | Lokalbus |
| Name | Inline local bus |
| Connection method | Inline data jumper |
| Transmission speed | 2 MBit/s |

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Technical data

Interfaces

| | |
|-----------------------------|-------------------------|
| Transmission physics | Copper |
| Fieldbus system | INTERBUS |
| Name | INTERBUS |
| Connection method | Inline data jumper |
| Transmission speed | 2 MBit/s |
| Fieldbus system | INTERBUS |
| Name | INTERBUS |
| Connection method | Inline shield connector |
| Transmission speed | 2 MBit/s |
| Transmission physics | RS-485 |

Power supply for module electronics

| | |
|-----------------------------|--|
| Supply voltage | 24 V DC (via voltage jumper) |
| Supply voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |

Inline potentials

| | |
|--|---|
| Communications power U_L | 7.5 V DC $\pm 5\%$ |
| Main circuit supply U_M | 24 V DC -15% / +20% (in acc. with EN 61131-2) |
| I/O supply voltage U_{ANA} | 24 V DC -15% / +20% |
| Current consumption from U_{ANA} | typ. 29 mA |

General

| | |
|--------------------------------------|--|
| Weight | 67 g |
| Note on weight specifications | With connector |
| Mounting type | DIN rail |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| Test section | 5 V supply, incoming remote bus, electrically isolated from 5 V supply, outgoing remote bus 500 V AC 50 Hz 1 min |
| Test section | 5 V supply, incoming remote bus, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block 500 V AC 50 Hz 1 min |
| Test section | 5 V supply, incoming remote bus, electrically isolated from 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min |
| Test section | 5 V supply incoming remote bus / functional earth ground 500 V AC 50 Hz 1 min |
| Test section | 5 V supply, outgoing remote bus, electrically isolated from 5 V supply, incoming remote bus 500 V AC 50 Hz 1 min |
| Test section | 5 V supply, outgoing remote bus, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block 500 V AC 50 Hz 1 min |
| Test section | 5 V supply, outgoing remote bus, electrically isolated from 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min |
| Test section | 5 V supply outgoing remote bus, electrically isolated from functional earth ground 500 V AC 50 Hz 1 min |

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General

| | |
|--------------|--|
| Test section | 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 5 V supply incoming remote bus 500 V AC 50 Hz 1 min |
| Test section | 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 5 V supply outgoing remote bus 500 V AC 50 Hz 1 min |
| Test section | 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block, electrically isolated from 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min |
| Test section | 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block electrically isolated from functional earth ground 500 V AC 50 Hz 1 min |
| Test section | 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, incoming remote bus 500 V AC 50 Hz 1 min |
| Test section | 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, outgoing remote bus 500 V AC 50 Hz 1 min |
| Test section | 24 V main supply, 24 V segment supply, electrically isolated from 7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply, 5 V logics supply branch terminal block 500 V AC 50 Hz 1 min |
| Test section | 24 V main supply, 24 V segment supply, electrically isolated from functional earth ground 500 V AC 50 Hz 1 min |

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 |

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classifications

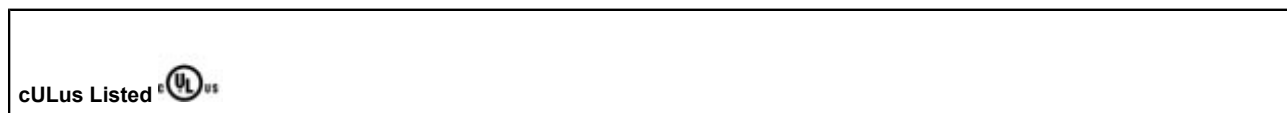
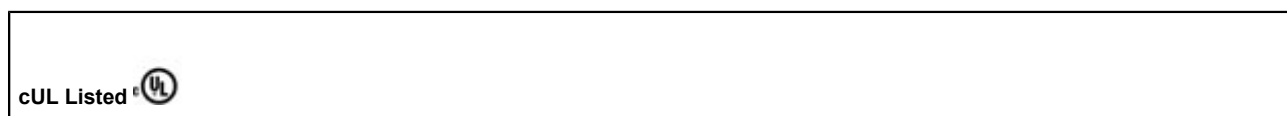
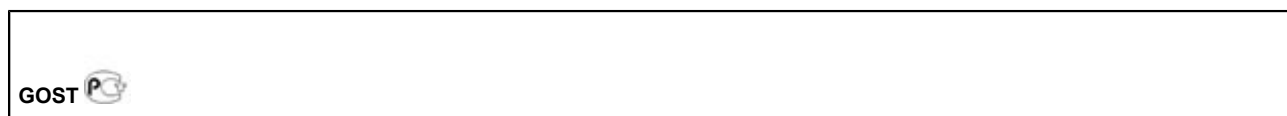
UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 43201404 |
|-------------|----------|

approvals

UL Listed / GOST / cUL Listed / cULus Listed /

Approval details



accessories

Plug

IB IL SCN-6 SHIELD - 2726353



Labeling panel

IB IL FIELD 2 - 2727501



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accessories

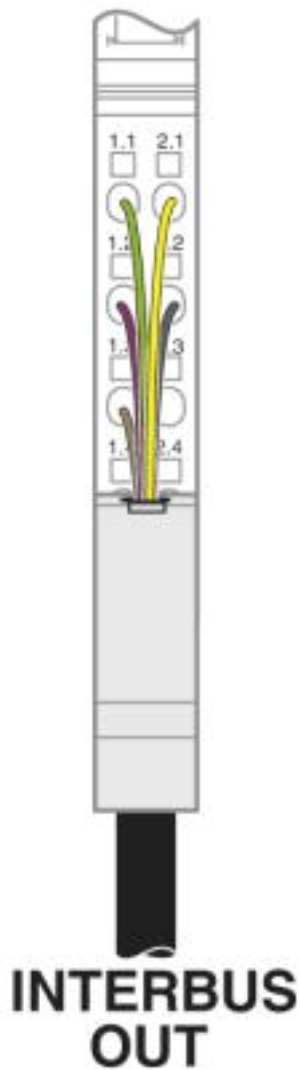
Terminal marking

ESL 62X10 - 0809492



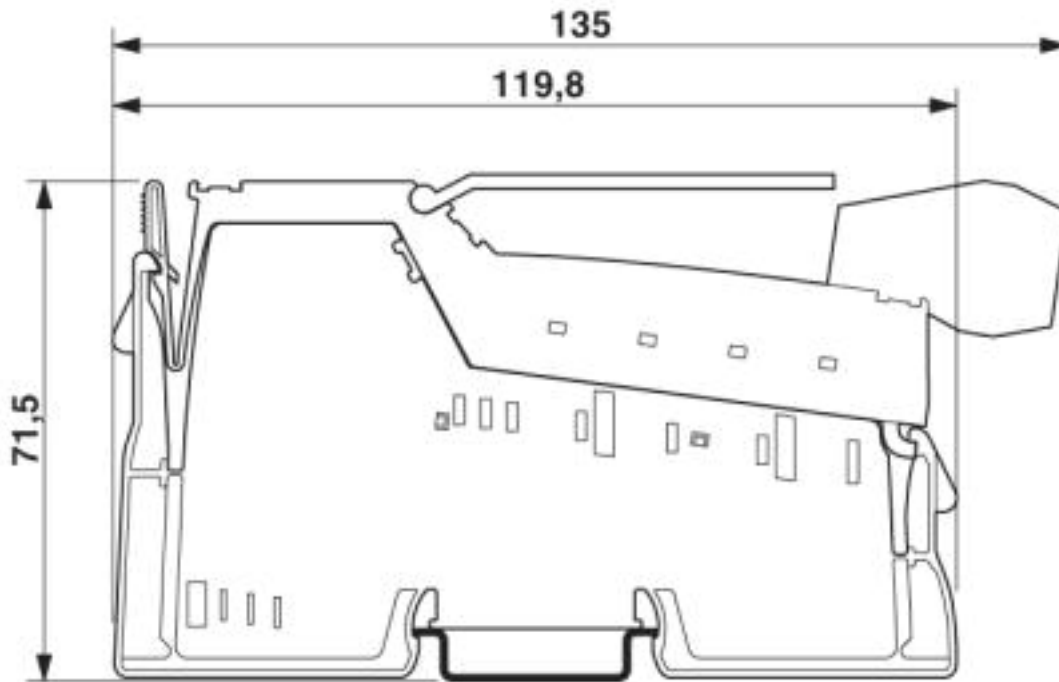
Drawings

Connection diagram



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Dimensioned drawing



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