

Branch terminal - IBS IL 24 RB-LK - 2878117

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INTERBUS FO branch terminal block, without accessories, with remote bus branch, 24 V DC



Key Commercial Data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 141.8 g |
| Custom tariff number | 85389091 |
| Country of origin | Germany |

Technical data

Note

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

Dimensions

| | |
|--------|----------|
| Width | 24.4 mm |
| Height | 119.8 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) | 75 % (On average, 85 % occasionally) |
| Permissible humidity (storage/transport) | 75 % (On average, 85 % occasionally) |
| Air pressure (operation) | 80 kPa ... 106 kPa (up to 2000 m above sea level) |
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Degree of protection | IP20 |

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Technical data

Interfaces

| | |
|----------------------|-------------------------------|
| Fieldbus system | Lokalbus |
| Designation | Inline local bus |
| Connection method | Inline data jumper |
| Transmission speed | 500 kBit/s |
| Transmission physics | FO |
| Fieldbus system | INTERBUS |
| Designation | INTERBUS |
| Connection method | FSMA plugs |
| Transmission speed | 500 kBit/s |
| Transmission physics | FO |
| Designation | Supply |
| Connection method | 8-pos. Inline power connector |

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 % (acc. to EN 61131-2) |
| I/O supply voltage U_{ANA} | 24 V DC -15 % / +20 % |
| Current consumption from U_{ANA} | typ. 42 mA |
| | max. 51 mA |

General

| | |
|---------------|----------|
| Mounting type | DIN rail |
| Net weight | 89 g |

Standards and Regulations

| | |
|--------------|---|
| Test section | 5 V supply, incoming remote bus, electrically isolated from 5 V supply, outgoing remote bus 500 V AC 50 Hz 1 min. |
| | 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. |
| | 5 V supply, incoming remote bus, electrically isolated from 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min. |
| | 5 V supply incoming remote bus / functional earth ground 500 V AC 50 Hz 1 min. |
| | 5 V supply, outgoing remote bus, electrically isolated from 5 V supply, incoming remote bus 500 V AC 50 Hz 1 min. |

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Standards and Regulations

| | |
|----------------------------------|---|
| | 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. |
| | 5 V supply, outgoing remote bus, electrically isolated from 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min. |
| | 5 V supply outgoing remote bus, electrically isolated from functional earth ground 500 V AC 50 Hz 1 min. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, incoming remote bus 500 V AC 50 Hz 1 min. |
| | 24 V main supply, 24 V segment supply, electrically isolated from 5 V supply, outgoing remote bus 500 V AC 50 Hz 1 min. |
| | 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. |
| | 24 V main supply, 24 V segment supply, electrically isolated from functional earth ground 500 V AC 50 Hz 1 min. |
| Connection in acc. with standard | CUL |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |

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 |

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Classifications

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

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

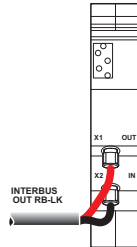
cUL Recognized

cULus Recognized

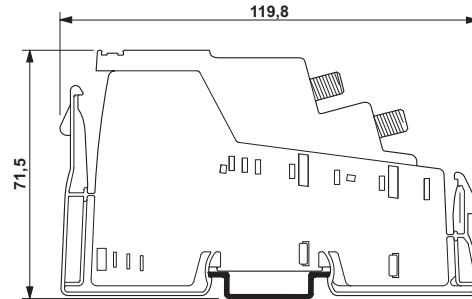
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Drawings

Connection diagram



Dimensional drawing





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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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