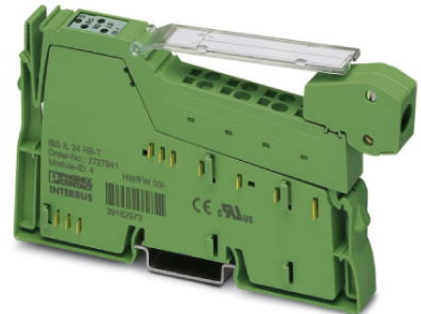


# IBS IL 24 RB-T-PAC

Order No.: 2861441



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2861441>

INTERBUS branch terminal, complete with accessories (plug connector and labeling field), with remote bus stub line, 24 V DC



| Commercial data          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918894375      |
| sales group              | K410               |
| Pack                     | 1 pcs.             |
| Customs tariff           | 85389091           |
| Weight/Piece             | 0.094 KG           |
| Catalog page information | Page 248 (AX-2009) |

#### Product notes

WEEE/RoHS-compliant since:  
04/03/2008



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

| Interface          |                    |
|--------------------|--------------------|
| Fieldbus system    | Lokalbus           |
| Name               | Inline local bus   |
| Type of connection | Inline data jumper |

|  |   |
|--|---|
| Transmission speed                       | 500 kBit/s  |
| Fieldbus system                          | INTERBUS  |
| Name                                     | INTERBUS remote bus branch                        |
| Type of connection                       | Inline shield connector                           |
| Transmission speed                       | 500 kBit/s  |
| Transmission physics                     | RS-485  |
| Name                                     | Supply  |
| Type of connection                       | 8-pos. Inline power connector                     |
| <b>Inline potential routing</b>          |   |
| Communications voltage $U_L$             | 7.5 V DC $\pm 5\%$                                |
| Supply for main circuit $U_M$            | 24 V DC -15% / +20% (in acc. with EN 61131-2)     |
| Power supply for $U_M$                   | max. 8 A DC (Sum of $U_M + U_S$ )                 |
| Segment power supply voltage $U_S$       | 24 V DC -15% / +20% (in acc. with EN 61131-2)     |
| Power supply for $U_S$                   | max. 8 A DC (Sum of $U_M + U_S$ )                 |
| I/O supply voltage $U_{ANA}$             | 24 V DC -15% / +20%                               |
| Current consumption from $U_{ANA}$       | Typ. 29 mA  |
| <b>General data</b>                      |   |
| Width                                    | 12.2 mm   |
| Height                                   | 135 mm  |
| Depth                                    | 71.5 mm   |
| Weight                                   | 46 g  |
| Mounting type                            | DIN rail  |
| 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  |
| Class of protection                      | Class 3 as per VDE 0106, IEC 61440                |

|              |  |
|--------------|--|
| 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   |
|              | 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   |

## Certificates / Approvals



Certification ABS, BV, CUL, DNV, GL, GOST, LR, UL  
Certification Ex: CUL-EX LIS, UL-EX LIS

## Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

### Marking

|         |               |   |
|---------|---------------|---|
| 0809492 | ESL 62X10     | Insert strip for laser printer, lettering field: 62 x 10 mm |
| 2727501 | IB IL FIELD 2 | Labeling field, width: 12.2 mm                              |

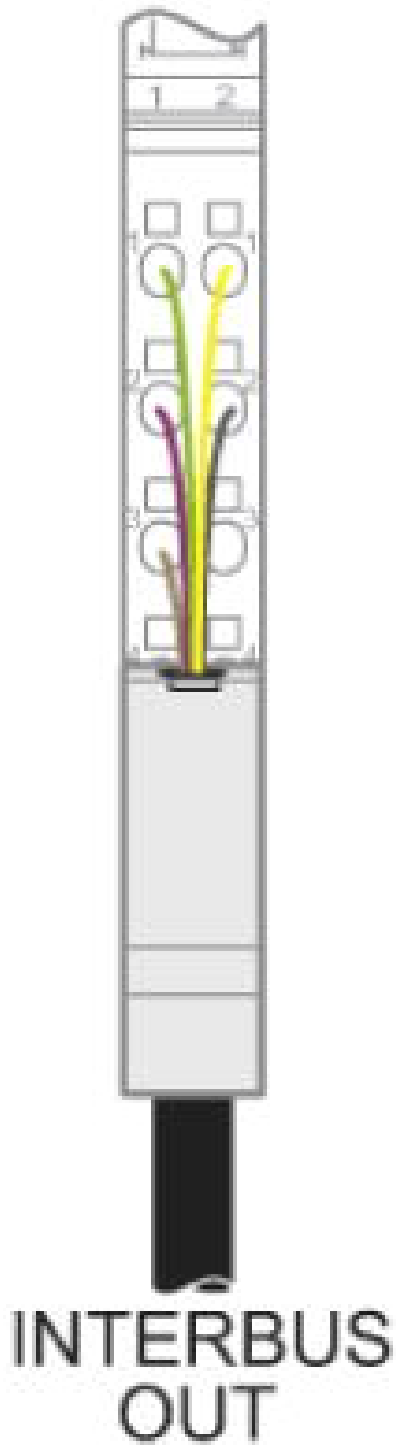
### Plug/Adapter

|         |                    |   |
|---------|--------------------|---|
| 2726353 | IB IL SCN-6 SHIELD | Shield connector, for analog Inline terminals |
|---------|--------------------|---|

**Diagrams/Drawings**

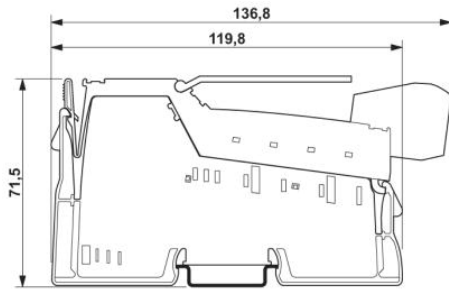
Connection diagram

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Dimensioned drawing

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**Address**

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