

## Branch terminal - IBS IL 24 RB-T-PAC - 2861441

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

### Your advantages

- Diagnostic and status indicators



### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| GTIN                                 |               |
| GTIN                                 | 4017918894375 |
| Weight per Piece (excluding packing) | 67.000 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  | 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) |

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### Technical data

#### Ambient conditions

|                                  |   |
|----------------------------------|---|
| Air pressure (storage/transport) | 70 kPa ... 106 kPa (up to 3000 m above sea level) |
| Degree of protection             | IP20  |

#### Interfaces

|                      |                         |
|----------------------|-------------------------|
| Designation          | INTERBUS                |
| Connection method    | Inline data jumper      |
| Transmission speed   | 500 kbps                |
| Designation          | INTERBUS                |
| Connection method    | Inline shield connector |
| Transmission speed   | 500 kbps                |
| Transmission physics | RS-485                  |
| Designation          | Inline local bus        |
| Connection method    | Inline data jumper      |
| Transmission physics | Copper                  |

#### Inline potentials

|                      |  |
|----------------------|--|
| Designation          | Supply of analog modules ( $U_{ANA}$ )                             |
| Supply voltage       | 24 V DC (via voltage jumper)                                       |
| Supply voltage range | 19.2 V DC ... 30 V DC (including all tolerances, including ripple) |
| Current consumption  | typ. 29 mA   |

#### General

|                               |                |
|-------------------------------|----------------|
| Mounting type                 | DIN rail       |
| Color                         | green          |
| Net weight                    | 67 g           |
| Note on weight specifications | with connector |

#### Electrical isolation

|              |   |
|--------------|---|
| Test section | 5 V supply, incoming remote bus, 5 V supply outgoing remote bus, 5 V supply logic 500 V AC 50 Hz 1 min. |
|              | Remote bus branch 500 V AC 50 Hz 1 min.   |
|              | Functional earth ground 500 V AC 50 Hz 1 min.   |

#### Standards and Regulations

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Connection in acc. with standard | CUL                                   |
| Protection class                 | III (IEC 61140, EN 61140, VDE 0140-1) |

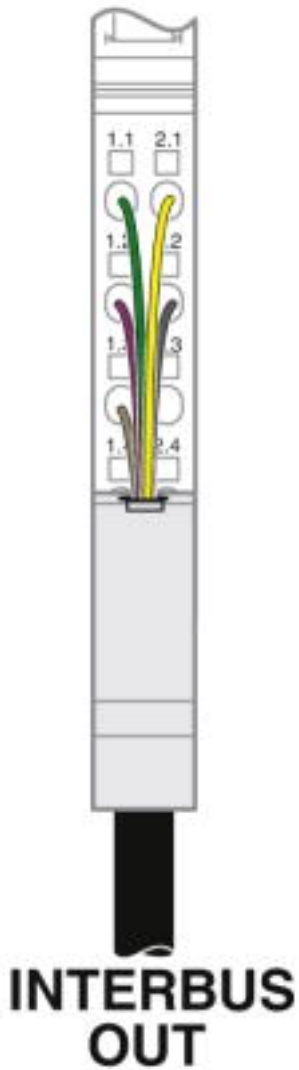
#### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

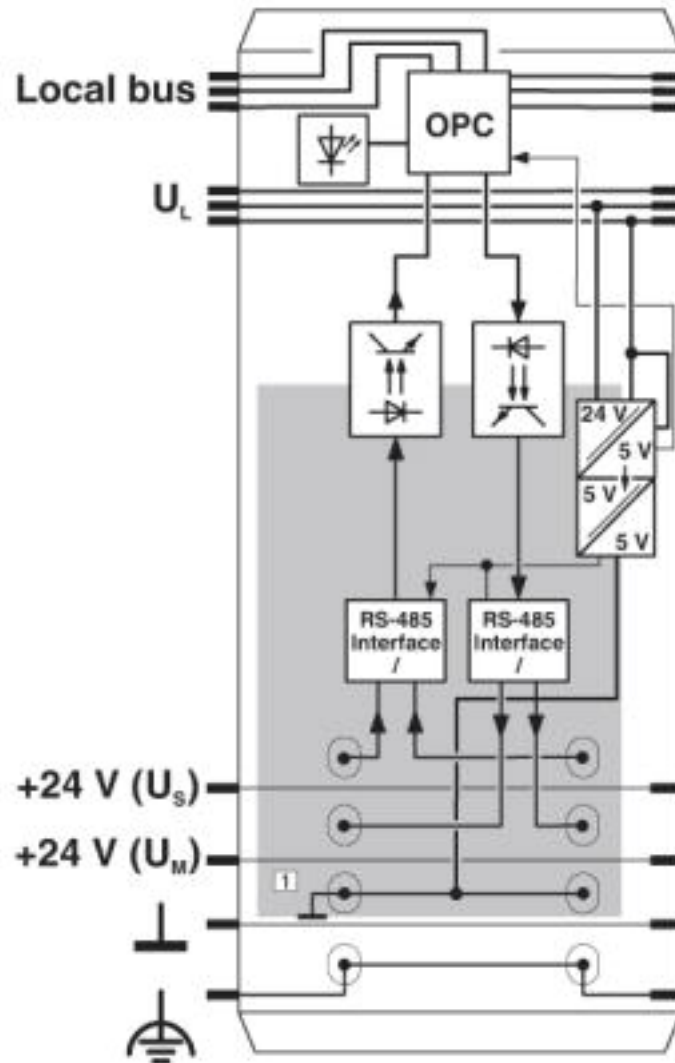
### Drawings

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Connection diagram



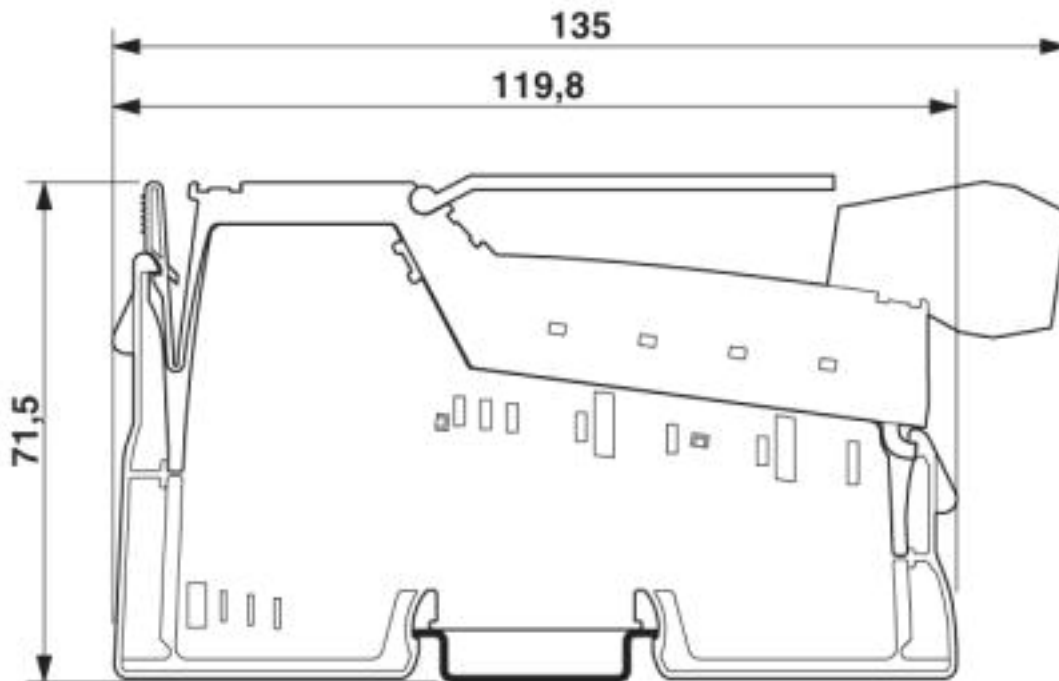
Block diagram



Internal wiring of the terminal points

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Dimensional drawing



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250200 |
| eCl@ss 4.1 | 27250200 |
| eCl@ss 5.0 | 27250200 |
| eCl@ss 5.1 | 27242600 |
| eCl@ss 6.0 | 27242600 |
| eCl@ss 7.0 | 27242608 |
| eCl@ss 8.0 | 27242608 |
| eCl@ss 9.0 | 27242608 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001434 |
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001604 |
| ETIM 5.0 | EC001604 |
| ETIM 6.0 | EC001604 |
| ETIM 7.0 | EC001604 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |

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## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 43201404 |
| UNSPSC 13.2  | 32151602 |
| UNSPSC 18.0  | 32151602 |
| UNSPSC 19.0  | 32151602 |
| UNSPSC 20.0  | 32151602 |
| UNSPSC 21.0  | 32151602 |

## Approvals

### Approvals





#### Approvals

DNV GL / BSH / BV / LR / ABS / BSH / RINA / UL Recognized / EAC

#### Ex Approvals

UL Listed / cUL Listed / cULus Listed

### Approval details

|        |   |   |                  |
|--------|---|---|------------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>   | TAA00000BN       |
| BSH    |   | <a href="http://www.bsh.de/de/index.jsp">http://www.bsh.de/de/index.jsp</a>   | Anwenderhinweis  |
| BV     |  | <a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a> | 21594/B0 BV      |
| LR     |  | <a href="http://www.lr.org/en">http://www.lr.org/en</a>   | 08/20033         |
| ABS    |   | <a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>   | 17-HG1621871-PDA |
| BSH    |   | <a href="http://www.bsh.de/de/index.jsp">http://www.bsh.de/de/index.jsp</a>   | 658              |
| RINA   |  | <a href="http://www.rina.org/en">http://www.rina.org/en</a>   | ELE335818XG      |

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## Approvals

|               |  |   |               |
|---------------|--|---|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 140324 |
|---------------|--|---|---------------|

|     |  |               |
|-----|--|---------------|
| EAC |  | EAC-Zulassung |
|-----|--|---------------|

## Accessories

### Accessories

#### Labeling panel

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



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### Plug

Inline shield connector - IB IL SCN-6 SHIELD - 2726353



Inline shield connector

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### Terminal marking

Insert strip - ESL 62X10 - 0809492

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems: Laser printer, mounting type: insert, lettering field size: 62 x 10 mm, Number of individual labels: 72

