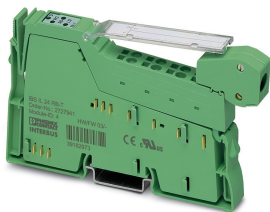


Branch terminal - IBS IL 24 RB-T-PAC - 2861441

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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 |  4 017918 894375 |
| GTIN | 4017918894375 |
| Weight per Piece (excluding packing) | 89.200 g |
| Custom tariff number | 85389099 |
| Country of origin | Germany |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
| | Use in potentially explosive areas is not permitted in China. |

Dimensions

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

Ambient conditions

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

Technical data

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

| | |
|----------------------|-------------------------|
| 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 ground 500 V AC 50 Hz 1 min. |

Standards and Regulations

| | |
|----------------------------------|-----|
| Connection in acc. with standard | CUL |
|----------------------------------|-----|

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Technical data

Standards and Regulations

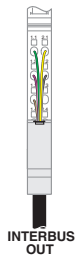
| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Environmental Product Compliance

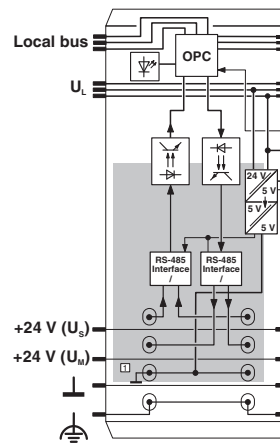
| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Connection diagram

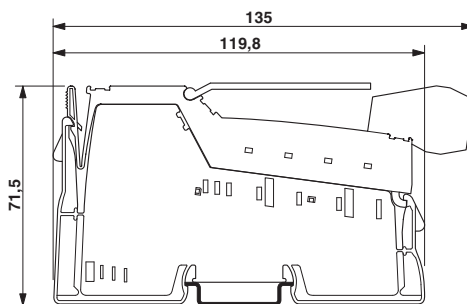


Block diagram



Internal wiring of the terminal points

Dimensional drawing



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

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242608 |
| eCl@ss 11.0 | 27242608 |
| 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 9.0 | 27242608 |

ETIM

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

UNSPSC

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

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

Approvals

Approval details

| | | | |
|---------------|---|---|------------------|
| DNV GL |  | https://approvalfinder.dnvgl.com/ | TAA00000BN |
| BSH | | | Anwenderhinweis |
| BV |  | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 21594/B0 BV |
| LR |  | http://www.lr.org/en | 08/20033 |
| ABS | | http://www.eagle.org/eagleExternalPortalWEB/ | 17-HG1621871-PDA |
| BSH | | | 658a |
| RINA |  | http://www.rina.org/en | ELE001320XG |
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
| EAC |  | | EAC-Zulassung |

Accessories

Accessories

Labeling panel

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

Accessories

Labeling field - IB IL FIELD 2 - 2727501

Labeling field, width: 12.2 mm



Plug

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



Inline shield connector

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