

## Panel feed-through terminal block - PT 4-WE - 3044900

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Panel feed-through terminal block, Connection method: Push-in connection, Number of positions: 1, Load current : 30 A, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG 26 - 12, Connection direction of the conductor to plug-in direction: 45 °, Width: 5.1 mm, Color: gray

### Why buy this product

- ✓ Easy grouping with engagement pin versions
- ✓ Easy connection of the conductors, thanks to fast Push-in spring connection
- ✓ CLIPLINE complete accessories for easy bridging, testing, and marking
- ✓ Highly flexible, thanks to alignable single terminal blocks
- ✓ Automatic compensation of the panel thickness via the snap principle integrated in the insulation housing



### Key Commercial Data

|                      |   |
|----------------------|---|
| Packing unit         | 1   |
| GTIN                 | <br>4 055626 245539 |
| GTIN                 | 4055626245539   |
| Custom tariff number | 85369010  |

### Technical data

#### General

|                       |                     |
|-----------------------|---------------------|
| Number of positions   | 1                   |
| Number of levels      | 1                   |
| Number of connections | 2                   |
| Potentials            | 1                   |
| Nominal cross section | 2.5 mm <sup>2</sup> |
| Color                 | gray                |
| Insulating material   | PA                  |

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## Technical data

### General

|   |   |
|---|---|
| Flammability rating according to UL 94  | V0  |
| Degree of pollution   | 3   |
| Overvoltage category  | III   |
| Maximum power dissipation for nominal condition   | 1.02 W  |
| Ambient temperature (operation)   | -50 °C ... 85 °C                                      |
| Maximum load current  | 30 A (with 4 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>  | 24 A  |
| Nominal voltage U <sub>N</sub>  | 500 V   |
| Open side panel   | Yes   |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11                   |
| Back of the hand protection   | guaranteed  |
| Finger protection   | guaranteed  |
| Result of surge voltage test  | Test passed   |
| Surge voltage test setpoint   | 7.3 kV  |
| Result of power-frequency withstand voltage test  | Test passed   |
| Power frequency withstand voltage setpoint  | 1.89 kV   |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed   |
| Result of bending test  | Test passed   |
| Bending test conductor cross section/weight   | 0.14 mm <sup>2</sup> / 0.2 kg                         |
|   | 2.5 mm <sup>2</sup> / 0.7 kg                          |
|   | 4 mm <sup>2</sup> / 0.9 kg                            |
| Tensile test result   | Test passed   |
| Conductor cross section tensile test  | 0.14 mm <sup>2</sup>                                  |
| Tractive force setpoint   | 10 N  |
| Conductor cross section tensile test  | 2.5 mm <sup>2</sup>                                   |
| Tractive force setpoint   | 50 N  |
| Conductor cross section tensile test  | 4 mm <sup>2</sup>                                     |
| Tractive force setpoint   | 60 N  |
| Result of tight fit on support  | Test passed   |
| Tight fit on carrier  | NS 35   |
| Setpoint  | 1 N   |
| Result of voltage-drop test   | Test passed   |
| Requirements, voltage drop  | ≤ 3.2 mV  |
| Result of temperature-rise test   | Test passed   |
| Short circuit stability result  | Test passed   |
| Conductor cross section short circuit testing   | 2.5 mm <sup>2</sup>                                   |

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## Technical data

### General

|   |   |
|---|---|
| Short-time current  | 0.15 kA   |
| Conductor cross section short circuit testing                           | 4 mm <sup>2</sup>                                   |
| Short-time current  | 0.15 kA   |
| Conductor cross section short circuit testing                           | 2.5 mm <sup>2</sup>                                 |
| Short-time current  | 0.3 kA  |
| Result of aging test  | Test passed   |
| Ageing test for screwless modular terminal block temperature cycles     | 192   |
| Result of thermal test  | Test passed   |
| Proof of thermal characteristics (needle flame) effective duration      | 30 s  |
| Oscillation, broadband noise test result                                | Test passed   |
| Test specification, oscillation, broadband noise                        | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Test spectrum   | Service life test category 1, class B, body mounted |
| Test frequency  | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz    |
| ASD level   | 0.964 (m/s <sup>2</sup> ) <sup>2</sup> /Hz          |
| Acceleration  | 0.58 g  |
| Test duration per axis  | 5 h   |
| Test directions   | X-, Y- and Z-axis                                   |
| Shock test result   | Test passed   |
| Test specification, shock test  | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Shock form  | Half-sine   |
| Acceleration  | 5 g   |
| Shock duration  | 30 ms   |
| Number of shocks per direction  | 3   |
| Test directions   | X-, Y- and Z-axis (pos. and neg.)                   |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C  |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C  |
| Static insulating material application in cold                          | -60 °C  |
| Behavior in fire for rail vehicles (DIN 5510-2)                         | Test passed   |
| Flame test method (DIN EN 60695-11-10)                                  | V0  |
| Oxygen index (DIN EN ISO 4589-2)  | >32 %   |
| NF F16-101, NF F10-102 Class I  | 2   |
| NF F16-101, NF F10-102 Class F  | 2   |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed  |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed  |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed  |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 27,5 MJ/kg  |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3   |

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## Technical data

### General

|  |             |
|--|-------------|
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

### Dimensions

|                 |                 |
|-----------------|-----------------|
| Width           | 5.1 mm          |
| Length          | 51.3 mm         |
| Height          | 26.6 mm         |
| Plate thickness | 1 mm ... 2.5 mm |
| Pitch           | 5.2 mm          |

### Connection data

|   |                      |
|---|----------------------|
| Connection method   | Push-in connection   |
| Connection in acc. with standard  | IEC 60947-7-1        |
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 26                   |
| Conductor cross section AWG max.  | 12                   |
| Conductor cross section flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 4 mm <sup>2</sup>    |
| Min. AWG conductor cross section, flexible  | 26                   |
| Max. AWG conductor cross section, flexible  | 12                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Stripping length  | 10 mm ... 12 mm      |
| Internal cylindrical gage   | A3                   |

### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---|

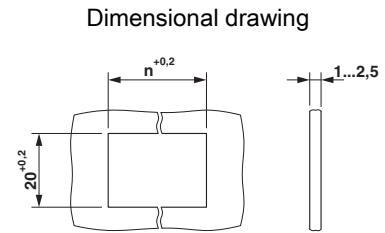
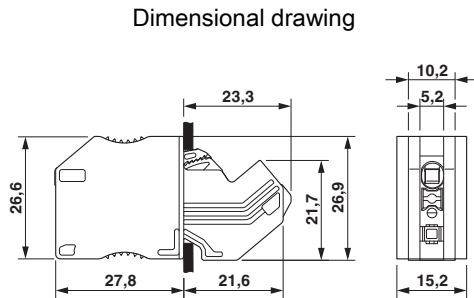
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## Technical data

### Environmental Product Compliance

|  |
|--|
| No hazardous substances above threshold values |
|--|

## Drawings



For the width of the panel cutout, see the corresponding PT 4-WE/...  
Number of positions

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

### Approval details

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