

## UPBV 2,5/ 1-R

Order No.: 3045376



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3045376>

Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG 26 - 12, Width: 5.2 mm, Height: 47 mm, Color: gray

### Commercial data

|                          |                                                                                                        |
|--------------------------|--------------------------------------------------------------------------------------------------------|
| GTIN (EAN)               | <br>4 046356 055581 |
| sales group              | A871                                                                                                   |
| Pack                     | 50 pcs.                                                                                                |
| Customs tariff           | 85366990                                                                                               |
| Catalog page information | Page 285 (CL-2009)                                                                                     |

### Product notes

WEEE/RoHS-compliant since:  
11/03/2004



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### Technical data

#### Dimensions

|        |        |
|--------|--------|
| Width  | 5.2 mm |
| Length | 21 mm  |
| Height | 47 mm  |

**Technical data**

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Maximum load current             | 24 A (with 4 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 6 kV                                                  |
| Pollution degree                 | 3                                                     |
| Surge voltage category           | III                                                   |
| Insulating material group        | I                                                     |
| Connection in acc. with standard | IEC 61984                                             |
| Nominal current I <sub>N</sub>   | 24 A                                                  |
| Nominal voltage U <sub>N</sub>   | 500 V                                                 |
| Number of positions              | 1                                                     |

**Connection data**

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                                   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                                  | 26                   |
| Conductor cross section AWG/kcmil max                                                   | 12                   |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 1.5 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. | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup>  |

|                           |                  |
|---------------------------|------------------|
| Type of connection        | Screw connection |
| Stripping length          | 9 mm             |
| Internal cylindrical gage | A3               |
| Screw thread              | M3               |
| Tightening torque, min    | 0.5 Nm           |
| Tightening torque max     | 0.6 Nm           |

#### Certificates / Approvals



Certification

CUL, UL

#### Accessories

| Item            | Designation | Description                                         |
|-----------------|-------------|-----------------------------------------------------|
| <b>Assembly</b> |             |                                                     |
| 3040591         | PSH 3- 6    | Test plugs, Color: black                            |
| 3040601         | PSH 5-10    | Test plugs, Color: black                            |
| 3045567         | UPR/ 2      | Latching, Number of positions: 2, Color: orange     |
| 3045570         | UPRZ        | Latching, Number of positions: 2, Color: orange     |
| 3045554         | UPZ/ 2      | Strain relief, Number of positions: 2, Color: black |

#### Bridges

|         |          |                                                     |
|---------|----------|-----------------------------------------------------|
| 3030161 | FBS 2-5  | Plug-in bridge, Number of positions: 2, Color: red  |
| 3030174 | FBS 3-5  | Plug-in bridge, Number of positions: 3, Color: red  |
| 3030187 | FBS 4-5  | Plug-in bridge, Number of positions: 4, Color: red  |
| 3030190 | FBS 5-5  | Plug-in bridge, Number of positions: 5, Color: red  |
| 3030213 | FBS 10-5 | Plug-in bridge, Number of positions: 10, Color: red |
| 3030226 | FBS 20-5 | Plug-in bridge, Number of positions: 20, Color: red |
| 3038930 | FBS 50-5 | Plug-in bridge, Number of positions: 50, Color: red |

#### Covers

|         |                |                                                                          |
|---------|----------------|--------------------------------------------------------------------------|
| 3060432 | DF-UPBV 2,5/ 4 | Cover flange, Length: 45.7 mm, Width: 4.5 mm, Height: 32 mm, Color: gray |
|---------|----------------|--------------------------------------------------------------------------|

#### Plug/Adapter

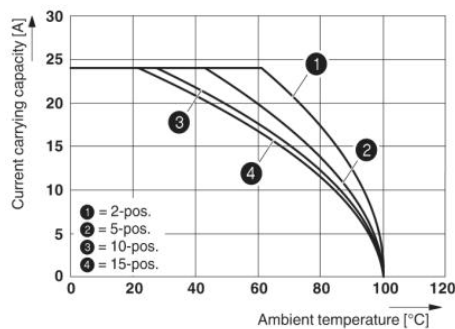
|         |           |                                 |
|---------|-----------|---------------------------------|
| 0201689 | MPS-IH BU | Insulating sleeve, Color: blue  |
| 0201676 | MPS-IH RD | Insulating sleeve, Color: red   |
| 0201663 | MPS-IH WH | Insulating sleeve, Color: white |
| 0201744 | MPS-MT    | Test plugs                      |
| 3030925 | PAI-4     | Test adapter, Color: gray       |
| 3030983 | PS-5      | Test adapter, Color: red        |

#### Tools

|         |             |                                                                                                                                                                  |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Diagrams/Drawings

##### Diagram



The figure shows the derating curve of the UT 2,5/1P... terminal block in connection with the UPBV 2,5 connector

##### Circuit diagram



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