

## SPB 2,5/ 1-M BU


Order No.: 3043145

Illustration shows versions of the SPB 2,5/1-... connector in various colors

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3043145>

Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG 28 - 12, Width: 5.2 mm, Height: 39 mm, Color: blue

### Commercial data

|                          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 017918 895006 |
| sales group              | A671   |
| Pack                     | 50 pcs.  |
| Customs tariff           | 85366990   |
| Catalog page information | Page 288 (CL-2009)   |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003

<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

#### Dimensions

|        |        |
|--------|--------|
| Width  | 5.2 mm |
| Length | 20 mm  |
| Height | 39 mm  |

**Technical data**

|                                  |   |
|----------------------------------|---|
| Maximum load current             | 24 A (with 2.5 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   |
| Open side panel                  | nein  |
| Number of positions              | 1   |

**Connection data**

|   |                        |
|---|------------------------|
| Conductor cross section solid min.  | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>      |
| Conductor cross section stranded min.   | 0.08 mm <sup>2</sup>   |
| Conductor cross section stranded max.   | 2.5 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.  | 28                     |
| 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, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>    |
| Type of connection  | Spring-cage connection |
| Stripping length  | 10 mm                  |
| Internal cylindrical gage   | A3                     |

**Certificates / Approvals**



Certification

BV, CB, CSA, CUL, DNV, GL, GOST, LR, UL, VDE-PZI

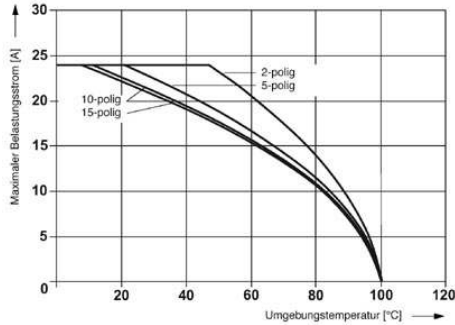
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## Accessories

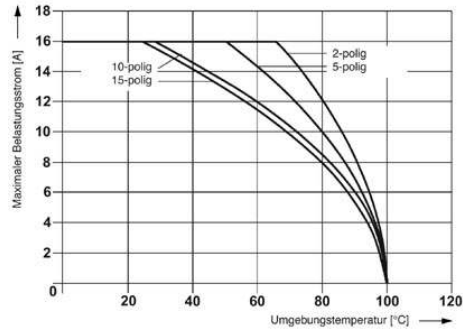
| Item            | Designation            | Description  |
|-----------------|------------------------|--|
| <b>Assembly</b> |                        |  |
| 3040559         | PR                     | Latching, Number of positions: 1, Color: orange  |
| 3040630         | PR/2                   | Latching, Number of positions: 2, Color: orange  |
| 3040614         | PRZ                    | Latching, Number of positions: 2, Color: orange  |
| 3040591         | PSH 3- 6               | Test plugs, Color: black   |
| 3040601         | PSH 5-10               | Test plugs, Color: black   |
| 3040627         | PZ/2                   | Strain relief, Number of positions: 2, Color: black  |
| 3040643         | PZ/4                   | Strain relief, Number of positions: 4, Color: black  |
| <b>Bridges</b>  |                        |  |
| 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  |
| <b>Marking</b>  |                        |  |
| 1051993         | B-STIFT                | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                            |
| 0811228         | X-PEN 0,35             | Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm                |
| 0808671         | ZBF 5,LGS:FORTL.ZAHLEN | Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 491 - 500, color: white   |
| 0808642         | ZBF 5:UNBEDRUCKT       | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white |

**Diagrams/Drawings**

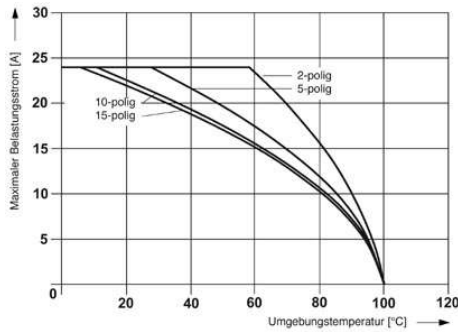
**Diagram**



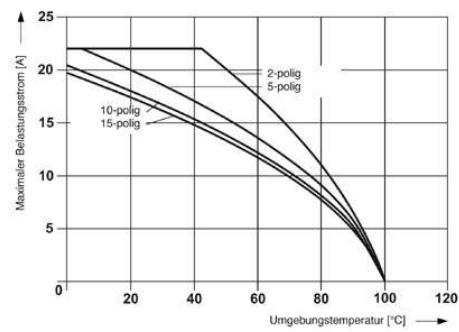
Derating curve for ST 2,5/ 1P, ST 2,5/ 2P, ST 2,5-TWIN/ 1P and for all plug versions SP... .



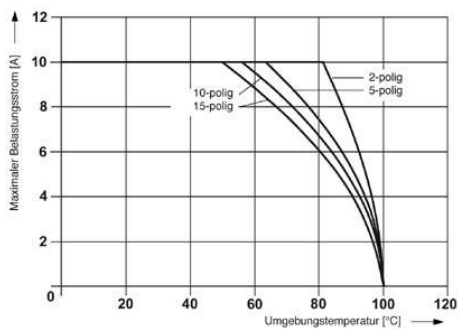
Derating curve for ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P and for all plug versions SP... .



Derating curve for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/4P and for all plug versions SP... .



Derating curve for STTB 2,5/ 2P, STTB 2,5/ 2P-PV and for all plug versions SP... .



Derating curve for ST 2,5-4L/1P, ST 2,5-4L/2P and for all plug versions SP... .

**Circuit diagram**



**Address**

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