

## SP 2,5/ 1-M GNYE

Order No.: 3043064

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



### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 5.2 mm  |
| Length | 15.8 mm |
| Height | 39 mm   |

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**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>    |
| Connection method   | 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 |
|------|-------------|-------------|
|------|-------------|-------------|

### Assembly

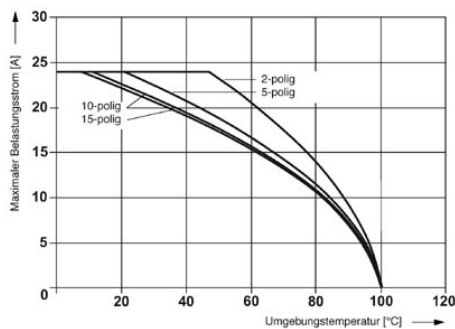
|         |          |   |
|---------|----------|---|
| 3040559 | PR       | Latching, Number of positions: 1, Color: orange     |
| 3040630 | PR/2     | Latching, Number of positions: 2, Color: orange     |
| 3040614 | PRZ      | Latching, Number of positions: 2, Color: orange     |
| 3040591 | PSH 3- 6 | Shield connection clamp, Color: black               |
| 3040601 | PSH 5-10 | Shield connection clamp, Color: black               |
| 3040627 | PZ/2     | Strain relief, Number of positions: 2, Color: black |
| 3040643 | PZ/4     | Strain relief, Number of positions: 4, Color: black |

### Marking

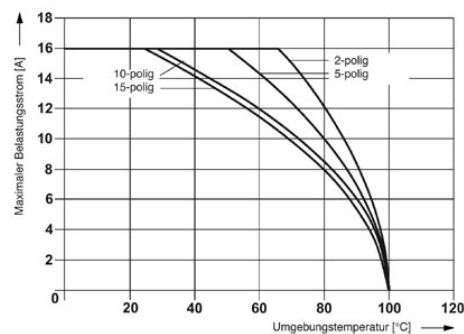
|         |                        |  |
|---------|------------------------|--|
| 1051993 | B-STIFT                | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                            |
| 0811228 | X-PEN 0,35             | Marker pen 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

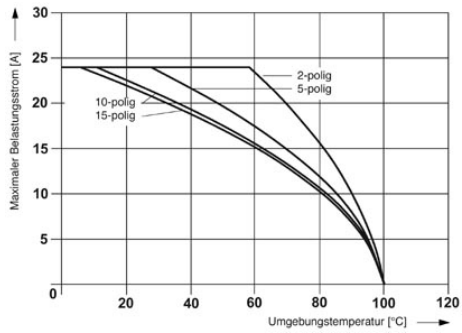
### Diagram



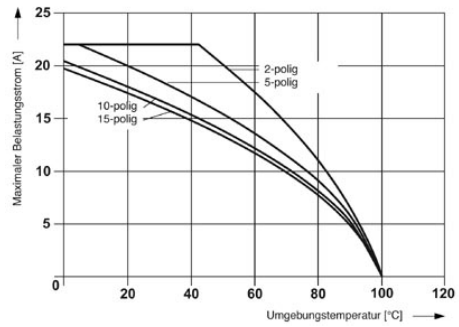
Derating curve for ST 2,5/ 1P, ST 2,5/ 2P, ST 2,5-TWIN/ 1P and for all plug versions SP... .



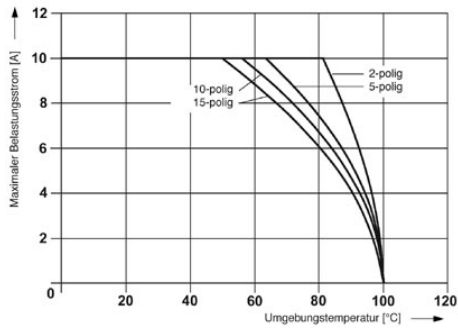
Derating curve for ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P and for all plug versions SP... .



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

