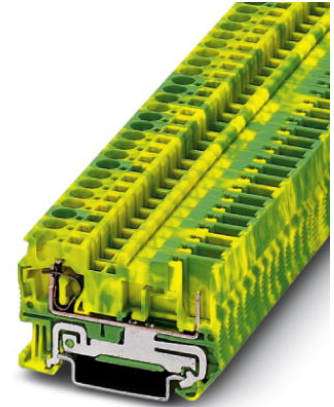


## ST 4/ 1P-PE

Order No.: 3042722



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3042722>

Spring-cage modular terminal block, Type of connection: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG 28 - 10, Width: 6.2 mm, Color: green-yellow, Mounting type: NS 35/7.5, NS 35/15

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | A673                                                                                |
| Pack                     | 50 pcs.                                                                             |
| Customs tariff           | 85369010                                                                            |
| Catalog page information | Page 248 (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

#### General

|                       |              |
|-----------------------|--------------|
| Number of levels      | 1            |
| Number of connections | 2            |
| Color                 | green-yellow |
| Insulating material   | PA           |

|                                                                                         |                        |
|-----------------------------------------------------------------------------------------|------------------------|
| Inflammability class acc. to UL 94                                                      | V0                     |
| <b>Dimensions</b>                                                                       |                        |
| Width                                                                                   | 6.2 mm                 |
| Length                                                                                  | 55.8 mm                |
| Height NS 35/7.5                                                                        | 36.5 mm                |
| Height NS 35/15                                                                         | 44 mm                  |
| <b>Technical data</b>                                                                   |                        |
| Rated surge voltage                                                                     | 6 kV                   |
| Pollution degree                                                                        | 3                      |
| Surge voltage category                                                                  | III                    |
| Insulating material group                                                               | I                      |
| Connection in acc. with standard                                                        | IEC 61984              |
| <b>Connection data</b>                                                                  |                        |
| Conductor cross section solid min.                                                      | 0.08 mm <sup>2</sup>   |
| Conductor cross section solid max.                                                      | 6 mm <sup>2</sup>      |
| Conductor cross section stranded min.                                                   | 0.08 mm <sup>2</sup>   |
| Conductor cross section stranded max.                                                   | 4 mm <sup>2</sup>      |
| Conductor cross section AWG/kcmil min.                                                  | 28                     |
| Conductor cross section AWG/kcmil max                                                   | 10                     |
| 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.              | 4 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.                 | 4 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>      |
| Type of connection                                                                      | Spring-cage connection |
| Stripping length                                                                        | 10 mm                  |
| Internal cylindrical gage                                                               | A3                     |

**Certificates / Approvals**

Certification

CB, CSA, CUL, GOST, UL, VDE-PZI

**Accessories**

| Item            | Designation            | Description                                                                                                                                                                            |
|-----------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                        |                                                                                                                                                                                        |
| 3030721         | ATP-ST 4               | Partition plate, Length: 61 mm, Width: 2 mm, Height: 42 mm, Color: gray                                                                                                                |
| 3030420         | D-ST 4                 | End cover, Length: 56 mm, Width: 2.2 mm, Height: 36.5 mm, Color: gray                                                                                                                  |
| <b>Bridges</b>  |                        |                                                                                                                                                                                        |
| 3030336         | FBS 2-6                | Plug-in bridge, Number of positions: 2, Color: red                                                                                                                                     |
| 3030242         | FBS 3-6                | Plug-in bridge, Number of positions: 3, Color: red                                                                                                                                     |
| 3030255         | FBS 4-6                | Plug-in bridge, Number of positions: 4, Color: red                                                                                                                                     |
| 3030349         | FBS 5-6                | Plug-in bridge, Number of positions: 5, Color: red                                                                                                                                     |
| 3030271         | FBS 10-6               | Plug-in bridge, Number of positions: 10, Color: red                                                                                                                                    |
| 3030365         | FBS 20-6               | Plug-in bridge, Number of positions: 20, Color: red                                                                                                                                    |
| 3032224         | FBS 50-6               | Plug-in bridge, Number of positions: 50, 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                                                                            |
| 3040588         | PC                     | Keying star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red                                                                                                                       |
| 0811228         | X-PEN 0,35             | Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm                                                                |
| 1051016         | ZB 6,LGS:FORTL.ZAHLEN  | Zack marker strip, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white                                                          |
| 5060935         | ZB 6/WH-100:UNBEDRUCKT | Zack strip, unprinted: For individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 6.2 mm, color: White |
| 1050499         | ZB 6:SO/CMS            | Zack strip, 10-section, divisible, special printing, marking according to customer requirements                                                                                        |

|         |                         |                                                                                                                                                               |
|---------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0808749 | ZBF 6,LGS:FORTL.ZAHLEN  | Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 91 - 100, color: white                           |
| 0808736 | ZBF 6/WH-100:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, large batch, sufficient for labeling 1000 terminal blocks, color: white |
| 0808778 | ZBF 6:SO/CMS            | Zack strip, flat, 10-section, divisible, special printing, marking according to customer requirements                                                         |

**Plug/Adapter**

|         |           |                                 |
|---------|-----------|---------------------------------|
| 3002885 | ISH 4/0,5 | Insulating sleeve, Color: gray  |
| 3002898 | ISH 4/1,0 | Insulating sleeve, Color: black |
| 0201731 | MPS-IH BK | Insulating sleeve, Color: black |
| 0201689 | MPS-IH BU | Insulating sleeve, Color: blue  |
| 0201702 | MPS-IH GN | Insulating sleeve, Color: green |
| 0201676 | MPS-IH RD | Insulating sleeve, Color: red   |
| 0201744 | MPS-MT    | Test plugs                      |
| 3030925 | PAI-4     | Test adapter, Color: gray       |
| 3030996 | PS-6      | Test adapter, Color: red        |

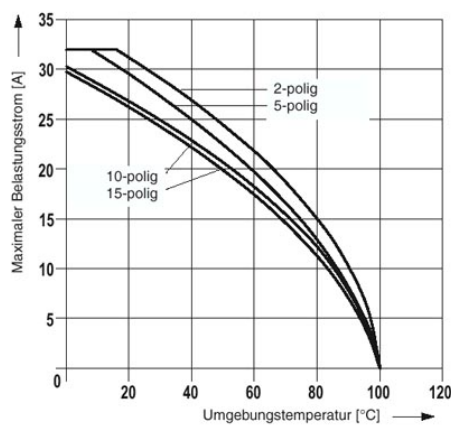
**Additional products**

| Item                | Designation    | Description                                                                                                                                                                                                |
|---------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plug/Adapter</b> |                |                                                                                                                                                                                                            |
| 3042751             | SP 4/ 1-L      | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: gray         |
| 3042764             | SP 4/ 1-L BU   | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: blue         |
| 3042777             | SP 4/ 1-L GNYE | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: green-yellow |
| 3042780             | SP 4/ 1-M      | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: gray         |
| 3042793             | SP 4/ 1-M BU   | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: blue         |
| 3042803             | SP 4/ 1-M GNYE | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: green-yellow |

|         |                |                                                                                                                                                                                                            |
|---------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3042816 | SP 4/ 1-R      | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: gray         |
| 3042829 | SP 4/ 1-R BU   | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: blue         |
| 3042832 | SP 4/ 1-R GNYE | Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm <sup>2</sup> - 6 mm <sup>2</sup> , AWG 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: green-yellow |

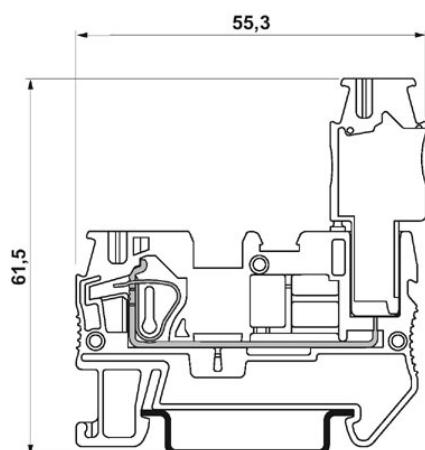
## Diagrams/Drawings

### Diagram



Derating curve for spring-cage terminals ST 4/1P.. and ST 4/2P.. with all plug versions SP 4/... . The derating curves are determined by multiplying the values of the base curves by the factor 0.8.

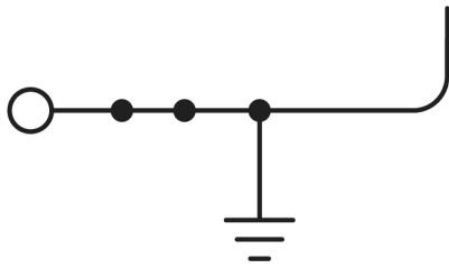
### Dimensioned drawing



The illustration shows the terminal with the plug version SP 4/...

Circuit diagram

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