

## SP-H 2,5/ 7

Order No.: 3210677

The figure shows the 6-pos. version



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3210677>

Connectors, Type of connection: Spring-cage connection, Number of positions: 7, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG 28 - 12, Width: 36.4 mm, Height: 39 mm, Color: gray

### Commercial data

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| GTIN (EAN)               |  |
| sales group              | A671                                                                                |
| Pack                     | 25 pcs.                                                                             |
| Customs tariff           | 85366990                                                                            |
| Catalog page information | Page 279 (CL-2009)                                                                  |

<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  | 36.4 mm |
| Length | 15.8 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 $I_N$            | 24 A      |
| Nominal voltage $U_N$            | 500 V     |
| Open side panel                  | nein      |
| Number of positions              | 7         |

**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                     |

**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 | 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 |

#### Covers

|         |             |                                                                            |
|---------|-------------|----------------------------------------------------------------------------|
| 3209824 | DF-SP-H 2,5 | Cover flange, Length: 35.8 mm, Width: 4.5 mm, Height: 24.7 mm, Color: gray |
|---------|-------------|----------------------------------------------------------------------------|

#### General

|         |           |                                                                                                       |
|---------|-----------|-------------------------------------------------------------------------------------------------------|
| 3209743 | PH 2,5/ 7 | Cable housing, Length: 19.9 mm, Width: 36.4 mm, Height: 36.8 mm, Number of positions: 7, Color: gray  |
| 3209756 | PH 2,5/ 8 | Cable housing, Length: 19.9 mm, Width: 41.6 mm, Height: 36.8 mm, Number of positions: 8, Color: gray  |
| 3209507 | PH 2,5/ 9 | Cable housing, Length: 19.9 mm, Width: 46.8 mm, Height: 36.8 mm, Number of positions: 9, Color: gray  |
| 3209769 | PH 2,5/10 | Cable housing, Length: 19.9 mm, Width: 52 mm, Height: 36.8 mm, Number of positions: 10, Color: gray   |
| 3209772 | PH 2,5/11 | Cable housing, Length: 19.9 mm, Width: 57.2 mm, Height: 36.8 mm, Number of positions: 11, Color: gray |
| 3209785 | PH 2,5/12 | Cable housing, Length: 19.9 mm, Width: 62.4 mm, Height: 36.8 mm, Number of positions: 12, Color: gray |
| 3209798 | PH 2,5/13 | Cable housing, Length: 19.9 mm, Width: 67.6 mm, Height: 36.8 mm, Number of positions: 13, Color: gray |
| 3209808 | PH 2,5/14 | Cable housing, Length: 19.9 mm, Width: 72.8 mm, Height: 36.8 mm, Number of positions: 14, Color: gray |
| 3209811 | PH 2,5/15 | Cable housing, Length: 19.9 mm, Width: 78 mm, Height: 36.8 mm, Number of positions: 15, Color: gray   |

#### Plug/Adapter

|         |             |                                      |
|---------|-------------|--------------------------------------|
| 3002843 | ISH 2,5/0,2 | Insulation stop sleeve, Color: white |
| 3002856 | ISH 2,5/0,5 | Insulation stop sleeve, Color: gray  |
| 3002869 | ISH 2,5/1,0 | Insulation stop sleeve, Color: black |
| 0201676 | MPS-IH RD   | Insulating sleeve, Color: red        |
| 0201744 | MPS-MT      | Test plugs                           |

#### Diagrams/Drawings

Circuit diagram



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