

## SP 4/ 1-M

Order No.: 3042780

Illustration shows versions of the SP 4/1-... connector in various colors

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3042780>

Connector with spring-cage connection for self-assembly, middle element; cross section: 0.08 - 0.4 mm<sup>2</sup>, width: 6.2 mm, color: Gray

### Commercial data

EAN	4017918956080
Pack	50 Pcs.
Customs tariff	85369010
Weight/Piece	0.004559 KG
Catalog page information	Page 237 (CL-2007)

### 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	6.2 mm
Length	21 mm
Height NS 35/7,5	25 mm

**Technical data**

Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61 984
Nominal current I <sub>N</sub>	32 A
Nominal voltage U <sub>N</sub>	800 V
Open side panel	nein

**Connection data**

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.	0.25 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.	0.25 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	A4

**Certificates / Approvals**

Approval logo

**CUL**

Nominal voltage $U_N$	600 V
Nominal current $I_N$	30 A
AWG/kcmil	28-10

**UL**

Nominal voltage $U_N$	600 V
Nominal current $I_N$	30 A
AWG/kcmil	28-10
Certification	CB, CUL, UL, VDE-PZI

**Accessories**

Item	Designation	Description
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**Assembly**

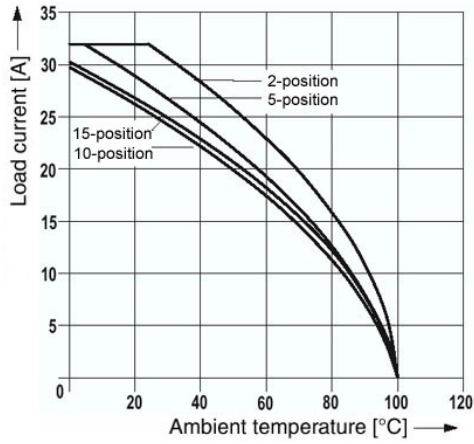
3040559	PR	Snap-lock device, for plugs, 1-pos.
3040630	PR/2	Snap-lock device, for plugs, 2-pos.
3040614	PRZ	Snap-lock device and strain relief, for plugs, 2-pos.
3040591	PSH 3- 6	Shielding, for mounting on PZ/... and PRZ, for cables with 3-6 mm diameter
3040601	PSH 5-10	Shielding, for mounting on PZ/... and PRZ, for cables with 5-10 mm diameter
3040627	PZ/2	Strain relief, for SP ... and SPB ... plugs, 2-pos.
3040643	PZ/4	Strain relief, for SP ... and SPB ... plugs, 4-pos.

**Marking**

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0808671	ZBF 5,LGS:FORTL.ZAHLEN	Zack strip, flat, printed horizontally: 10-section, with the numbers, 1-10, 11-20 etc. up to 991-1000, 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

## Drawings

### Diagram



Derating curve for the spring-cage terminal with all plug versions SP 4/... .