

# SP 4/ 1


Order No.: 3042887

The illustration shows the 6-position version



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=3042887>

Plug, Connection method: 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

Commercial data	
EAN	
sales group	A671
Pack	50 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.004644 KG
Net weight per piece	0.004644 KG
Catalog page information	Page 417 (C-3-2013)

### Product notes

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



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Technical data	
<b>General</b>	
Number of levels	1
Number of connections	1
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

Area of application	Railway industry
	Mechanical engineering
	Plant engineering

**General**

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 61984
Maximum load current (lower level)	32 A
Additional text	with 6 mm <sup>2</sup> conductor cross section
Nominal current I <sub>N</sub> (lower level)	32 A
Nominal voltage U <sub>N</sub>	800 V
Open side panel	nein
Number of positions	1

**Dimensions**

Width	6.2 mm
Length	21 mm
Height	41.5 mm

**Connection data**

Connection in acc. with standard	IEC 61984
Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	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.	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>
Stripping length	10 mm
Internal cylindrical gage	A4

### Certificates / Approvals



Certification

CSA, cULus Recognized, GOST, VDE Gutachten mit Fertigungsüberwachung, IECCEB CB Scheme

Certifications applied for:

Certification Ex:

### 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, Length: 3 mm, Width: 5.2 mm, 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
<b>Connector/Adapter</b>		
3002885	ISH 4/0,5	Insulating sleeve, Color: gray
3002898	ISH 4/1,0	Insulating sleeve, Color: black

**General**

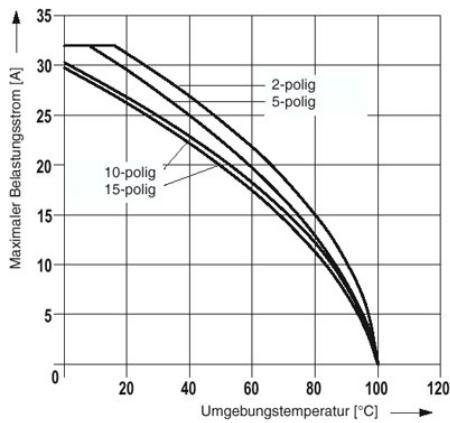
3040631	PRT/2	Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange
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**Marking**

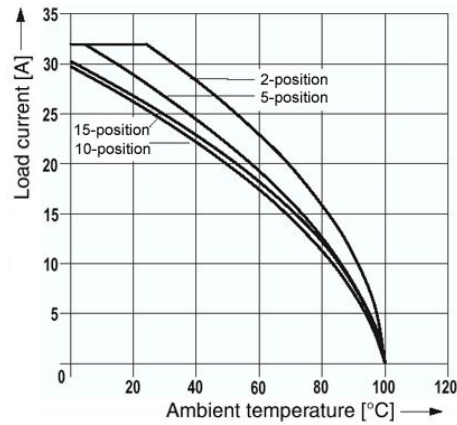
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

**Drawings**

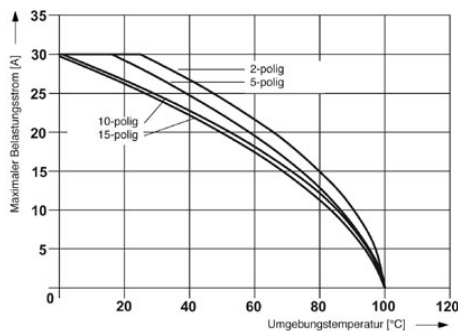
**Diagram**



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.



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



Derating curve for ST 4/ 1P and for all plug versions SP... .

Circuit diagram

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