

SP 4/ 2

Order No.: 3042890

The illustration shows the 6-position version



<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=3042890>

Plug, Connection method: Spring-cage connection, Number of positions: 2, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Width: 12.4 mm, Height: 41.5 mm, Color: gray

Commercial data

EAN	4 017918 956240
sales group	A671
Pack	50 Pcs.
Customs tariff	85366990
Gross weight in pieces	0.008775 KG
Net weight per piece	0.008775 KG
Catalog page information	Page 417 (C-3-2013)

Product notes

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



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Technical data

General

Number of levels	1
Number of connections	2
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 ² 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 ² conductor cross section
Nominal current I _N (lower level)	32 A
Nominal voltage U _N	800 V
Open side panel	nein
Number of positions	2

Dimensions

Width	12.4 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 ²
Conductor cross section solid max.	6 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.08 mm ²
Conductor cross section stranded max.	4 mm ²
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 ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²

Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
Stripping length	10 mm
Internal cylindrical gage	A4
Connection method	Plug connection

Certificates / Approvals



Certification

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

Certifications applied for:

Certification Ex:

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, 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

Connector/Adapter

3002885	ISH 4/0,5	Insulating sleeve, Color: gray
3002898	ISH 4/1,0	Insulating sleeve, Color: black

General

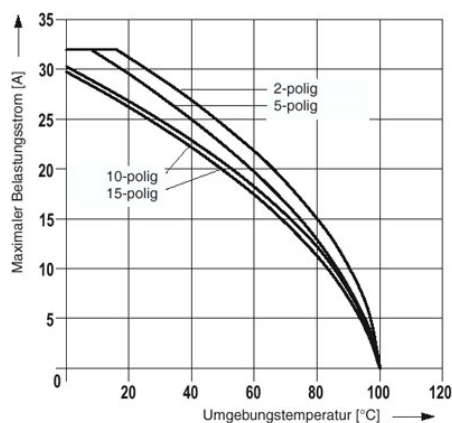
3040631	PRT/2	Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange
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Marking

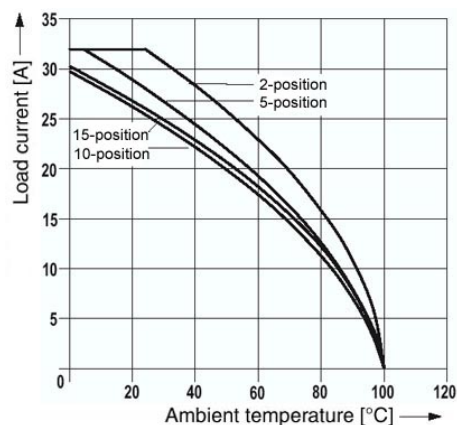
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Drawings

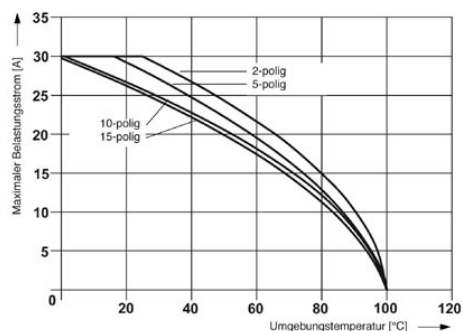
Diagram



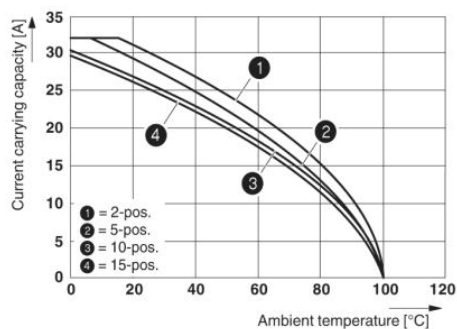
Derating curve for spring-cage terminals ST 4/1P.. and ST 4/2P.. with all plug versions SP 4/... . The derating curves are determined by multiplying the values of the base curves by the factor 0.8.



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... .



The figure shows the derating curve of the ST 4... terminal block in connection with the SP 4 plug

Circuit diagram



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