Plug - SP 4/ 1-R - 3042816

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

Plug, Connection method: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Width: 6.2 mm, Height: 41.5 mm, Color: gray

Product Description

Connector element right, left housing with engagement pin, right closed with cover

Product Features

- Cable housing can be snapped on to the plugs, see figure below
- Tested for railway applications
- The plug with spring-cage connection is assembled directly on site by snapping together single-position plug elements
- The ST-COMBI plugs for self-assembly provide solutions that users can implement themselves

Key commercial data

package_quantity	50
GTIN	4017918956110

Technical data

General

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
Area of application	Mechanical engineering
Area of application	Plant engineering

General

Maximum load current	32 A (with 6 mm² 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

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Technical data

General

Nominal current I_N	32 A
Nominal voltage U_N	800 V
Open side panel	nein
Number of positions	1

Dimensions

Width	6.2 mm
Length	21 mm
Height	41.5 mm

Connection data

Conductor cross section solid min.	0.08 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.08 mm²
Conductor cross section stranded max.	4 mm²
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 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Connection method	Spring-cage connection
Stripping length	10 mm
Internal cylindrical gage	A4

classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27141151
eCl@ss 7.0	27141151
eCl@ss 8.0	27141151

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classifications

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC002021

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / cULus Recognized /

Approval details

CSA

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	24-12	24-12

UL Recognized

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	28-10	28-10

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	800 V
Nominal current IN	
mm²/AWG/kcmil	0.2-6

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approvals

cUL Recognized

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	30 A	30 A
mm²/AWG/kcmil	28-10	28-10

IECEE CB Scheme

Nominal voltage UN	800 V
Nominal current IN	
mm²/AWG/kcmil	0.2-6

cULus Recognized

accessories

Strain relief

PZ/2 - 3040627

PZ/4 - 3040643

Mounting material

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accessories

PR - 3040559

PR/2 - 3040630

PRZ - 3040614

Shield connection

PSH 3- 6 - 3040591

PSH 5-10 - 3040601

Marker pen

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accessories

B-STIFT - 1051993

Terminal marking

ZBF 5:UNBEDRUCKT - 0808642

UC-TMF 5 - 0818153

UCT-TMF 5 - 0828744

Labeled terminal marker

ZBF 5 CUS - 0825025

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accessories

UC-TMF 5 CUS - 0824638

UCT-TMF 5 CUS - 0829658

Drawings

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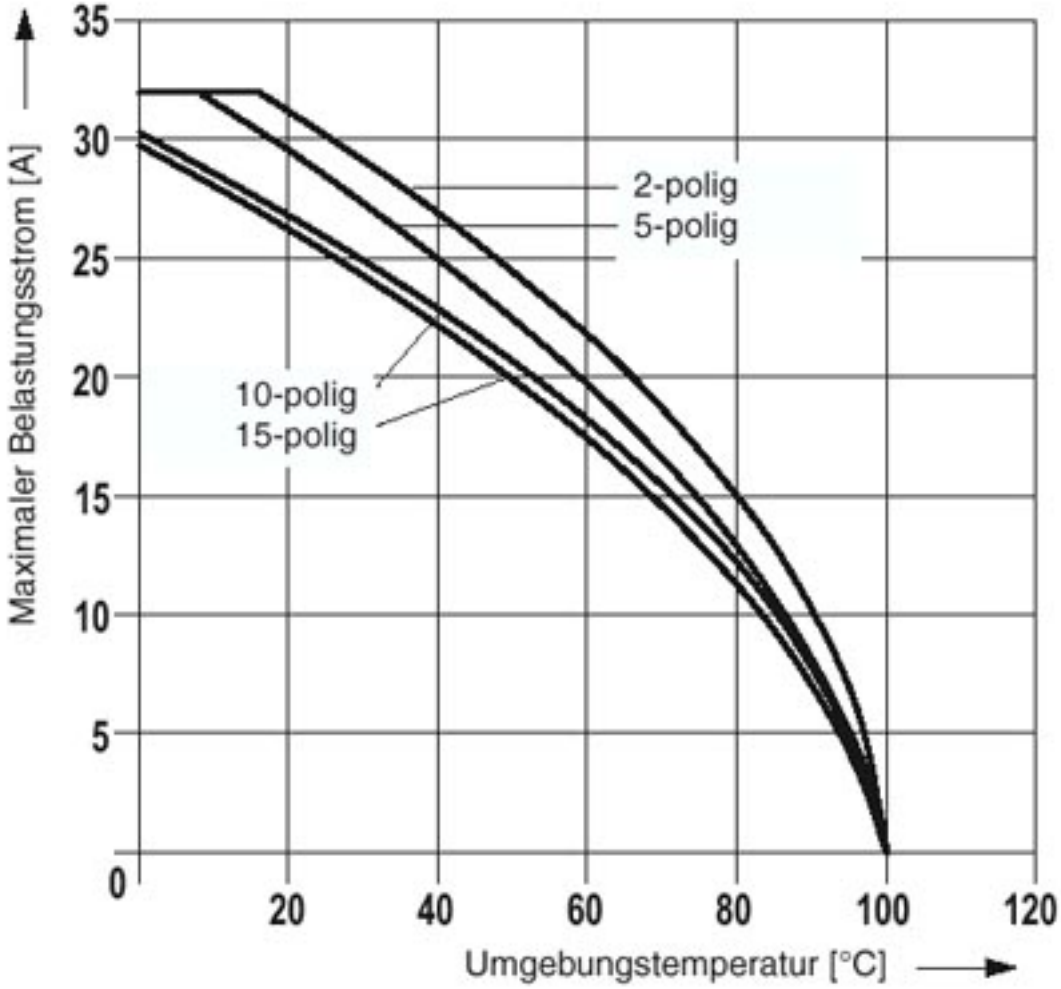
Diagram



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.

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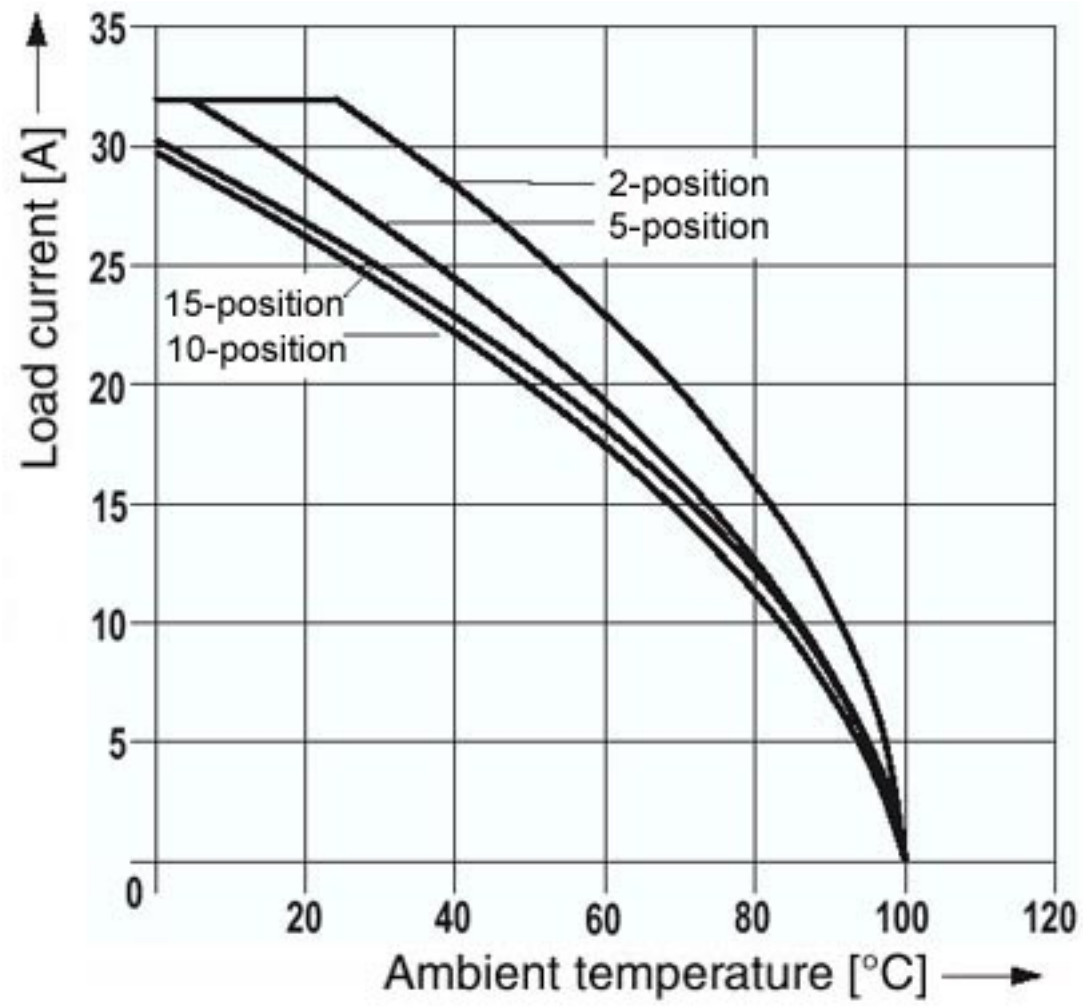
Diagram



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

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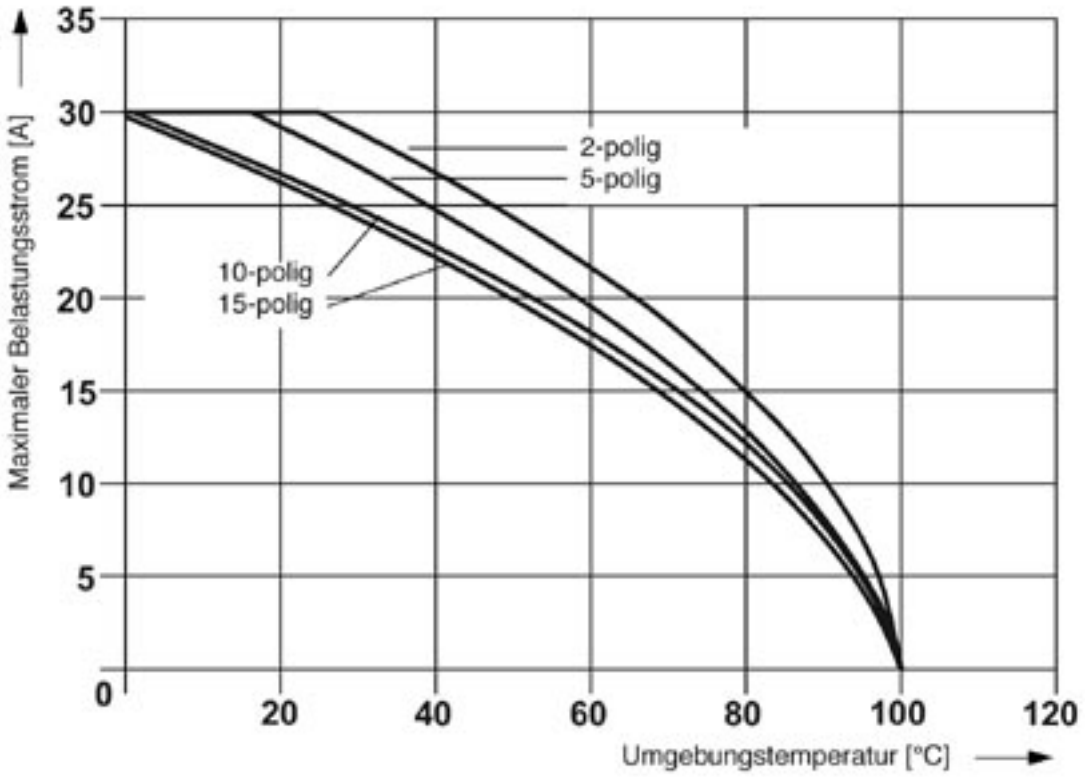
Diagram



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

Circuit diagram

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Schematic diagram