

Plug - SP 4/ 6 - 3042942

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Plug, Connection method: Spring-cage connection, Number of positions: 6, Cross section: 0.08 mm² - 6 mm², AWG: 28 - 10, Width: 37.2 mm, Height: 41.5 mm, Color: gray

Product Features

- ☒ Large-surface labeling option
- ☒ Tested for railway applications
- ☒ Practical coding option

Key commercial data

package_quantity	25
GTIN	4017918975326

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 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
Nominal current I _N	32 A
Nominal voltage U _N	800 V
Open side panel	nein
Number of positions	6

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Technical data

Dimensions

Width	37.2 mm
Length	21 mm
Height	41.5 mm

Connection data

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
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

ETIM

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

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classifications

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 / GOST / GOST / IECCEB 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

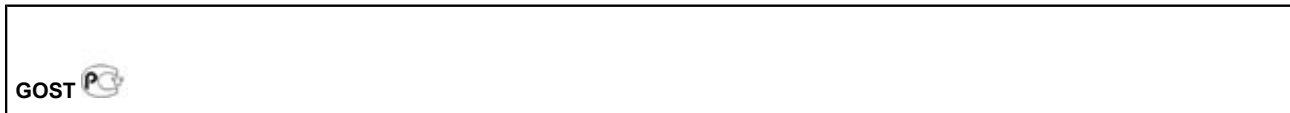
VDE Gutachten mit Fertigungsüberwachung 	
Nominal voltage UN	800 V
Nominal current IN	
mm²/AWG/kcmil	0.2-6

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V

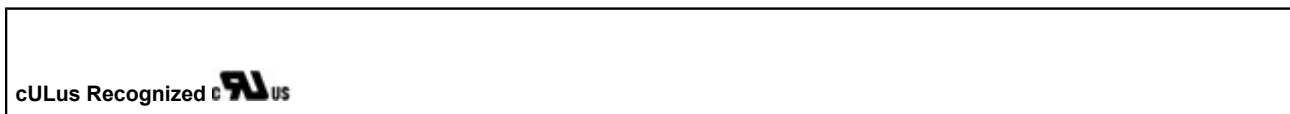
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approvals

Usegroups	B	C
Nominal current I _N	30 A	30 A
mm ² /AWG/kcmil	28-10	28-10



IECEE CB Scheme 	
Nominal voltage U _N	800 V
Nominal current I _N	
mm ² /AWG/kcmil	0.2-6



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



Insulating sleeve

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accessories

ISH 4/0,5 - 3002885



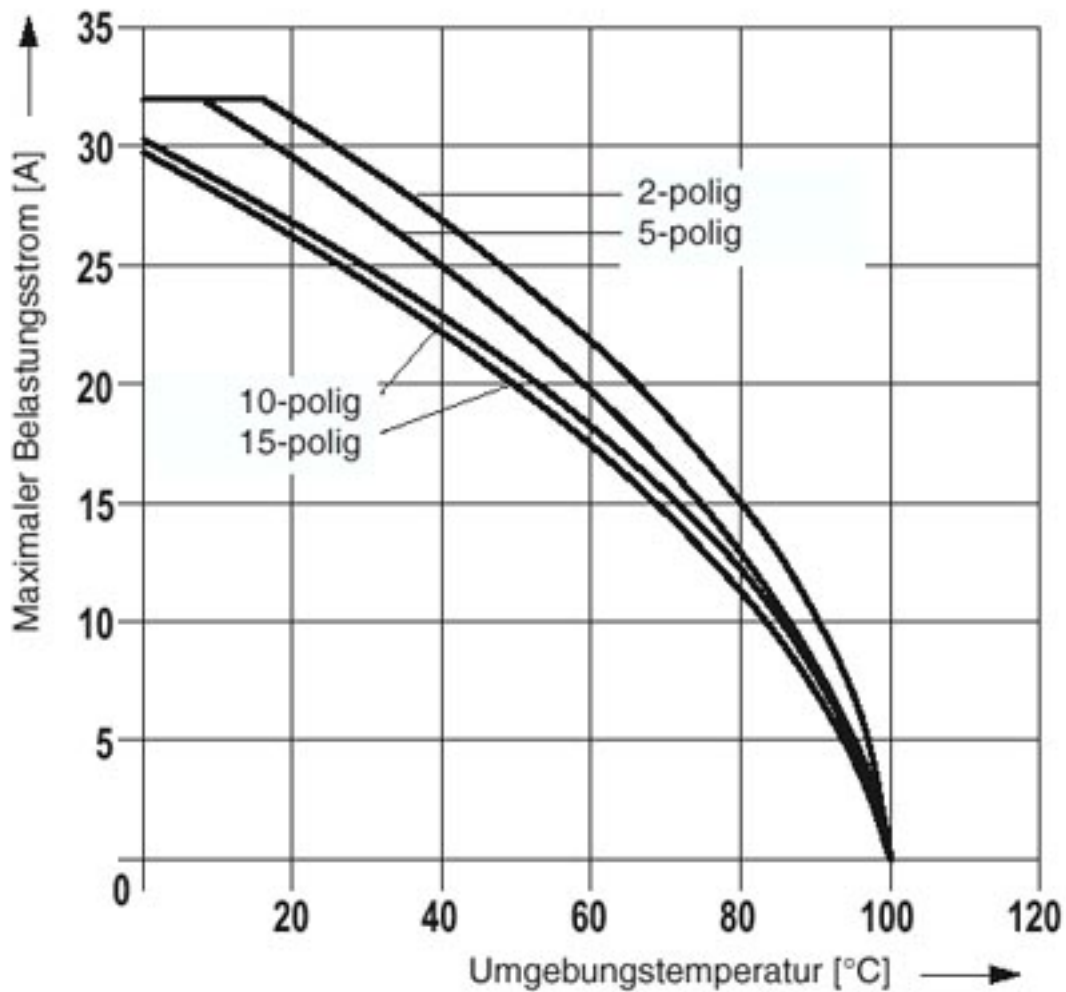
ISH 4/1,0 - 3002898



Drawings

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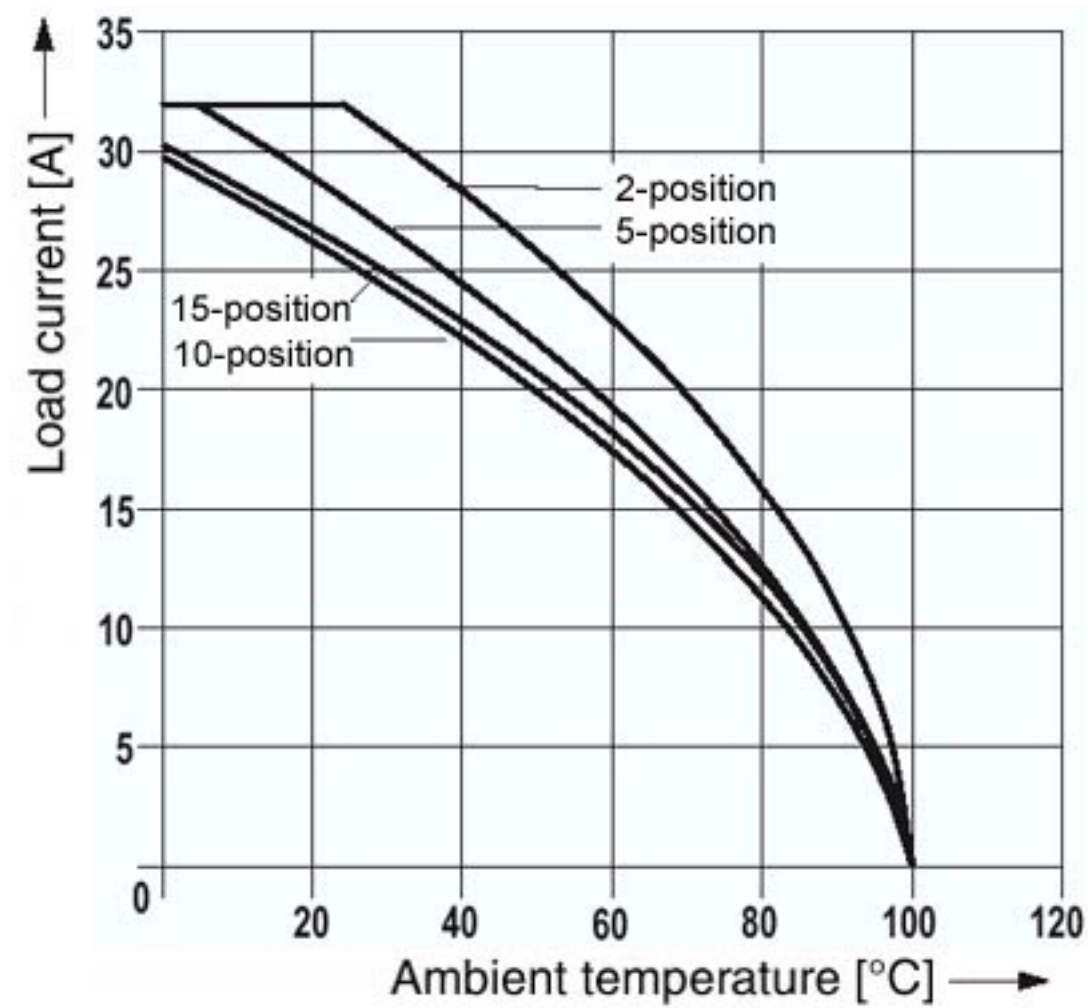
Diagram



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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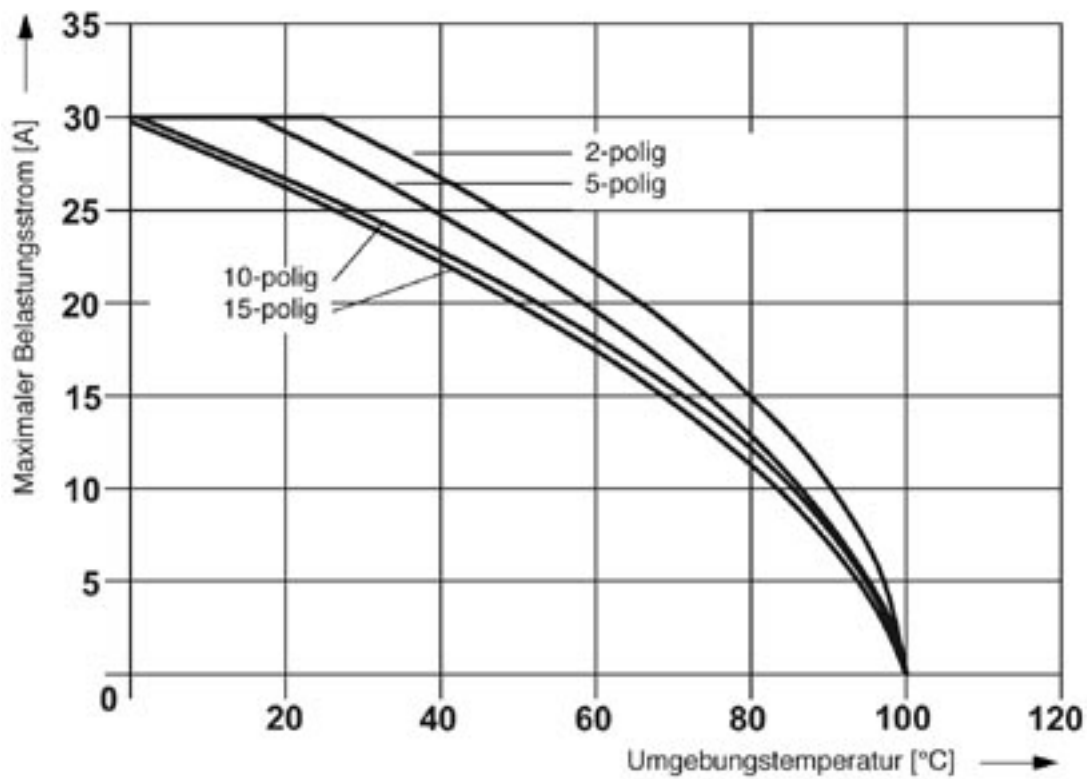
Diagram



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

