

# Plug - SP 2,5/ 1-L - 3043019

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Plug, Connection method: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 5.2 mm, Height: 39 mm, Color: gray

Illustration shows versions of the SP 2,5/1-... connector in various colors

## Product Description

Connector element left, left housing without engagement pin, right opened without cover

## Product Features

- Cable housing can be snapped on to the plugs, see figure below
- 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	4017918894870

## Technical data

### General

Number of levels	1
Number of connections	1
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

### General

Maximum load current	24 A (with 2.5 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	500 V
Open side panel	nein
Number of positions	1

# Plug - SP 2,5/ 1-L - 3043019

## Technical data

### Dimensions

<b>Width</b>	5.2 mm
<b>Length</b>	15.8 mm
<b>Height</b>	39 mm

### Connection data

<b>Connection in acc. with standard</b>	IEC 61984
<b>Connection method</b>	Spring-cage connection
<b>Conductor cross section solid min.</b>	0.08 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	28
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Conductor cross section stranded min.</b>	0.08 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	28
<b>Max. AWG conductor cross section, stranded</b>	14
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	0.5 mm <sup>2</sup>
<b>Stripping length</b>	10 mm
<b>Internal cylindrical gage</b>	A3
<b>Connection method</b>	Plug connection

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701
<b>eCl@ss 5.1</b>	27260701
<b>eCl@ss 6.0</b>	27141151
<b>eCl@ss 7.0</b>	27141151
<b>eCl@ss 8.0</b>	27141151

### ETIM

<b>ETIM 2.0</b>	EC000897
<b>ETIM 3.0</b>	EC000897
<b>ETIM 4.0</b>	EC002021

# Plug - SP 2,5/ 1-L - 3043019

## classifications

### ETIM

<b>ETIM 5.0</b>	EC002021
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### UNSPSC

<b>UNSPSC 6.01</b>	30211802
<b>UNSPSC 7.0901</b>	39121402
<b>UNSPSC 11</b>	39121402
<b>UNSPSC 12.01</b>	39121402
<b>UNSPSC 13.2</b>	39121402

## approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / IECCEB CB Scheme / GOST / CSA / cULus Recognized /

### Approval details

Usegroups	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	24-12	24-12

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

Nominal voltage UN	500 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-4

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# Plug - SP 2,5/ 1-L - 3043019

## approvals

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

GOST

LR

GL

BV

DNV

RS

IECEE CB Scheme

Nominal voltage UN	500 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-4

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	300 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	24-12	24-12	24-12

cULus Recognized

## Plug - SP 2,5/ 1-L - 3043019

accessories

### Strain relief

PZ/2 - 3040627



PZ/4 - 3040643



### Mounting material

PR - 3040559



PR/2 - 3040630



PRT/2 - 3040631



## Plug - SP 2,5/ 1-L - 3043019

accessories

PRZ - 3040614



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### Shield connection

PSH 3- 6 - 3040591



PSH 5-10 - 3040601



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### Marker pen

B-STIFT - 1051993



X-PEN 0,35 - 0811228



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### Terminal marking

## Plug - SP 2,5/ 1-L - 3043019

accessories

ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



### Labeled terminal marker

ZBF 5 CUS - 0825025



ZBF 5,LGS:FORTL.ZAHLEN - 0808671



## Plug - SP 2,5/ 1-L - 3043019

### accessories

ZBF 5,QR:FORTL.ZAHLEN - 0808697



ZBF 5,LGS:GERADE ZAHLEN - 0810821



ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658

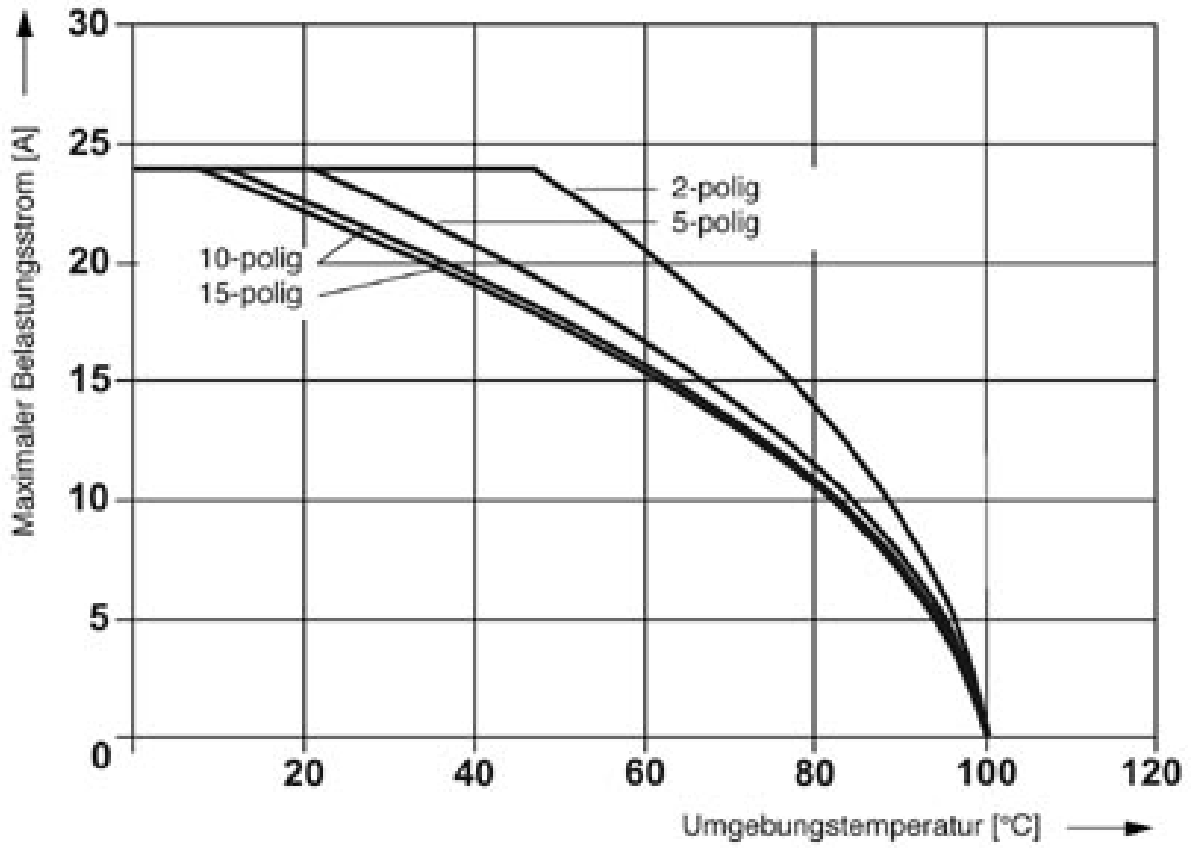


### Drawings



# Plug - SP 2,5/ 1-L - 3043019

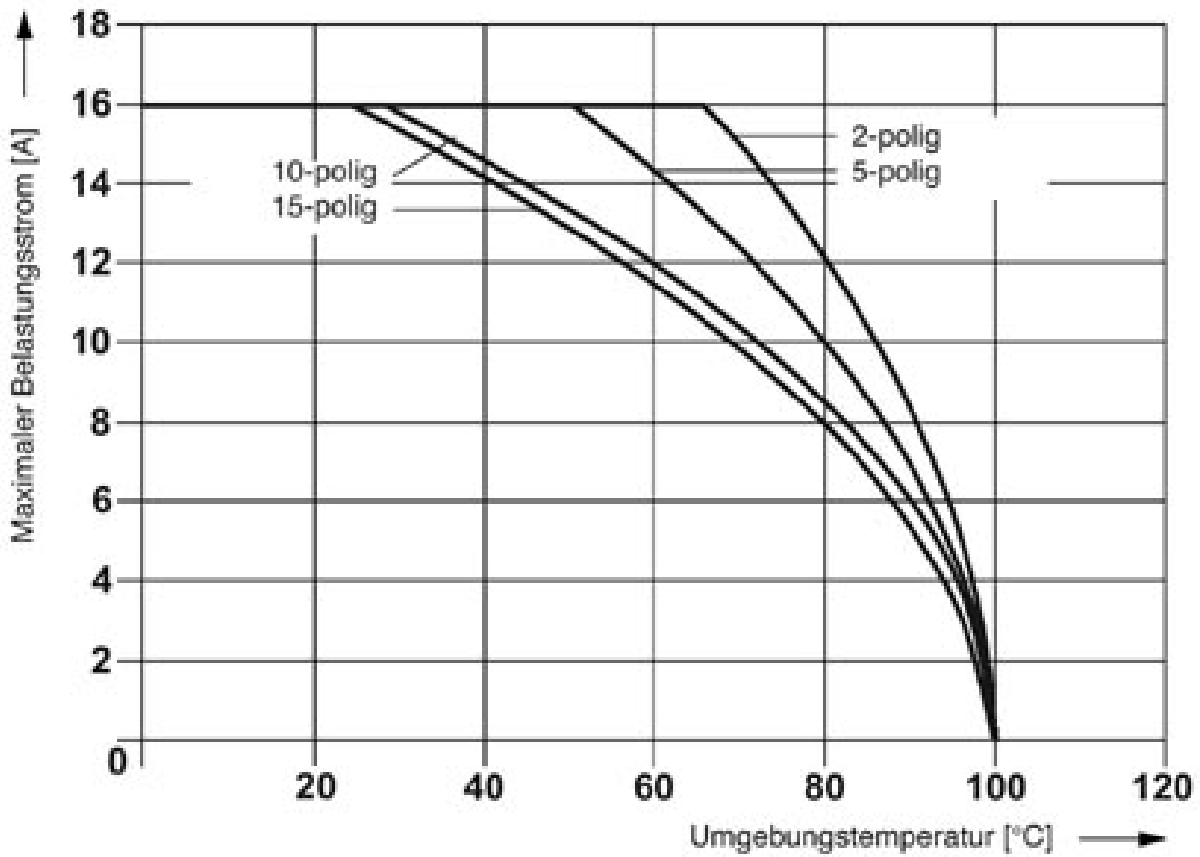
Diagram



Derating curve for ST 2,5/ 1P, ST 2,5/ 2P, ST 2,5-TWIN/ 1P and for all plug versions SP...

# Plug - SP 2,5/ 1-L - 3043019

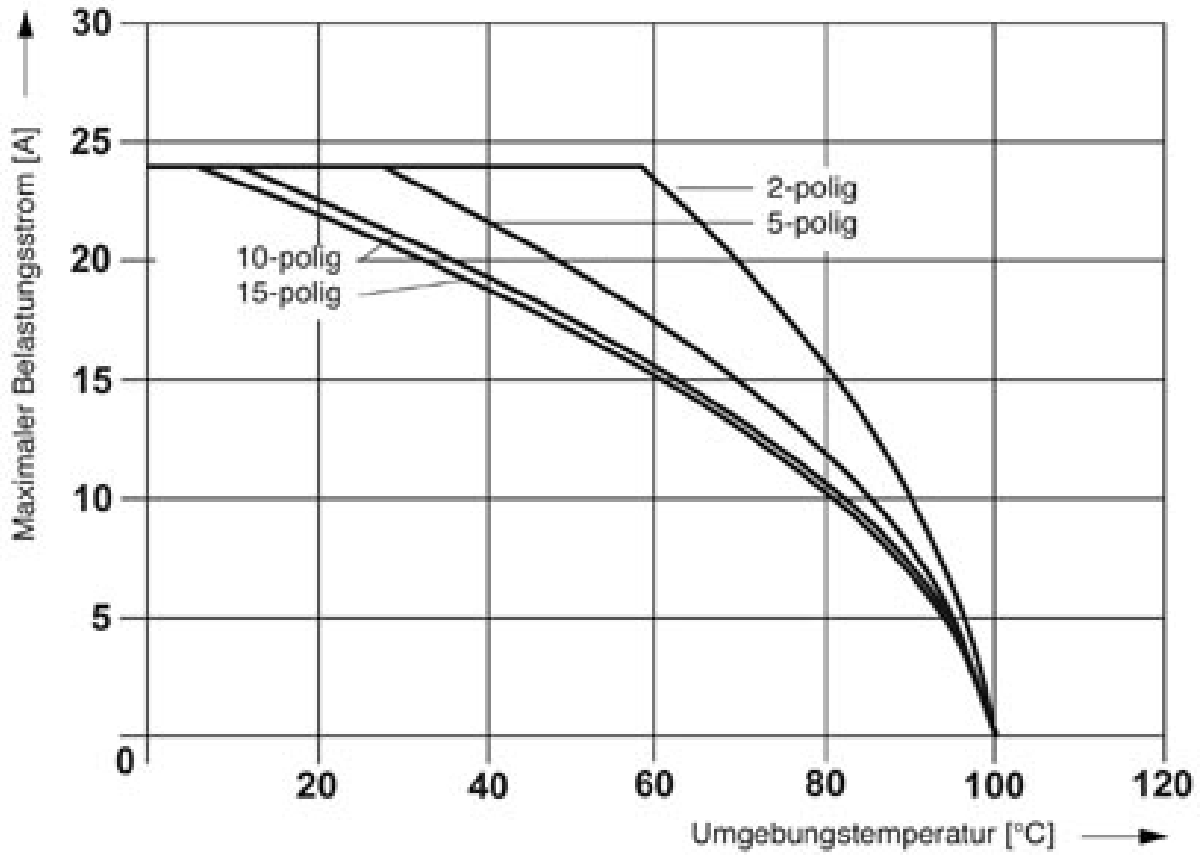
Diagram



Derating curve for ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P and for all plug versions SP...

# Plug - SP 2,5/ 1-L - 3043019

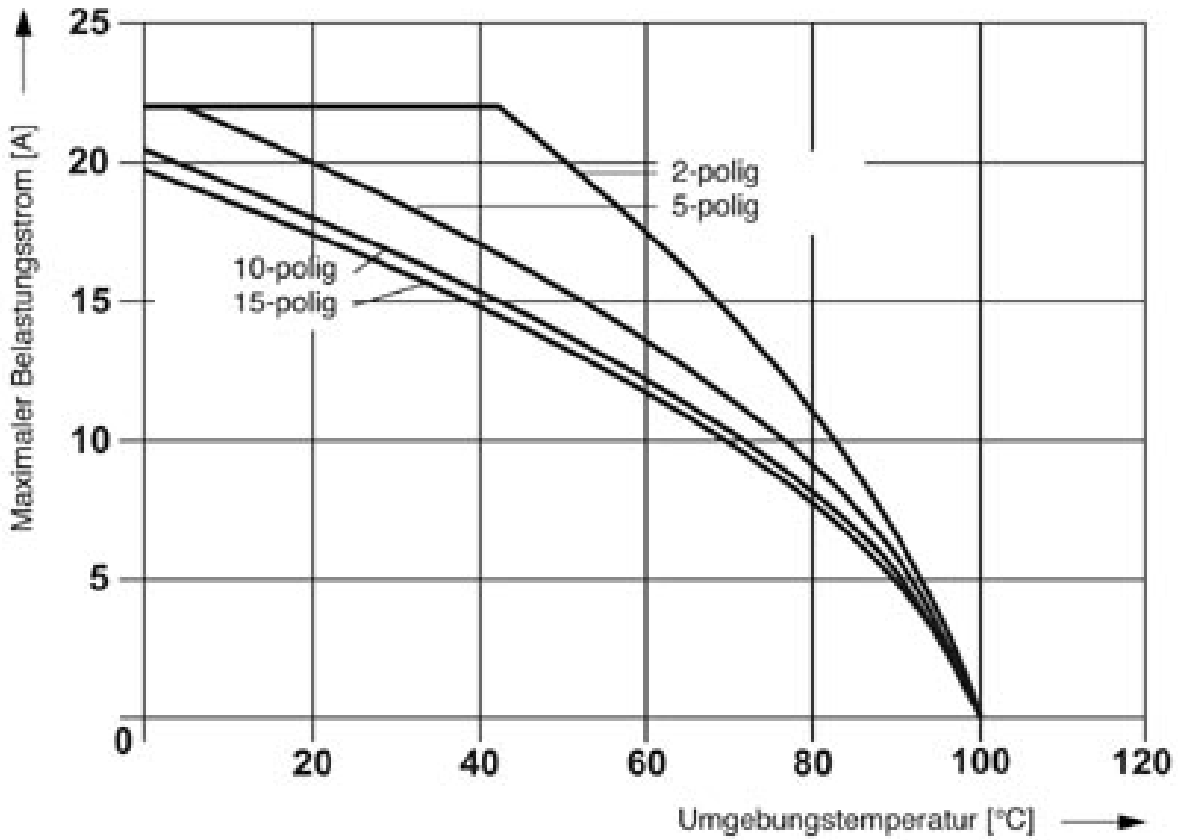
Diagram



Derating curve for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/4P and for all plug versions SP...

# Plug - SP 2,5/ 1-L - 3043019

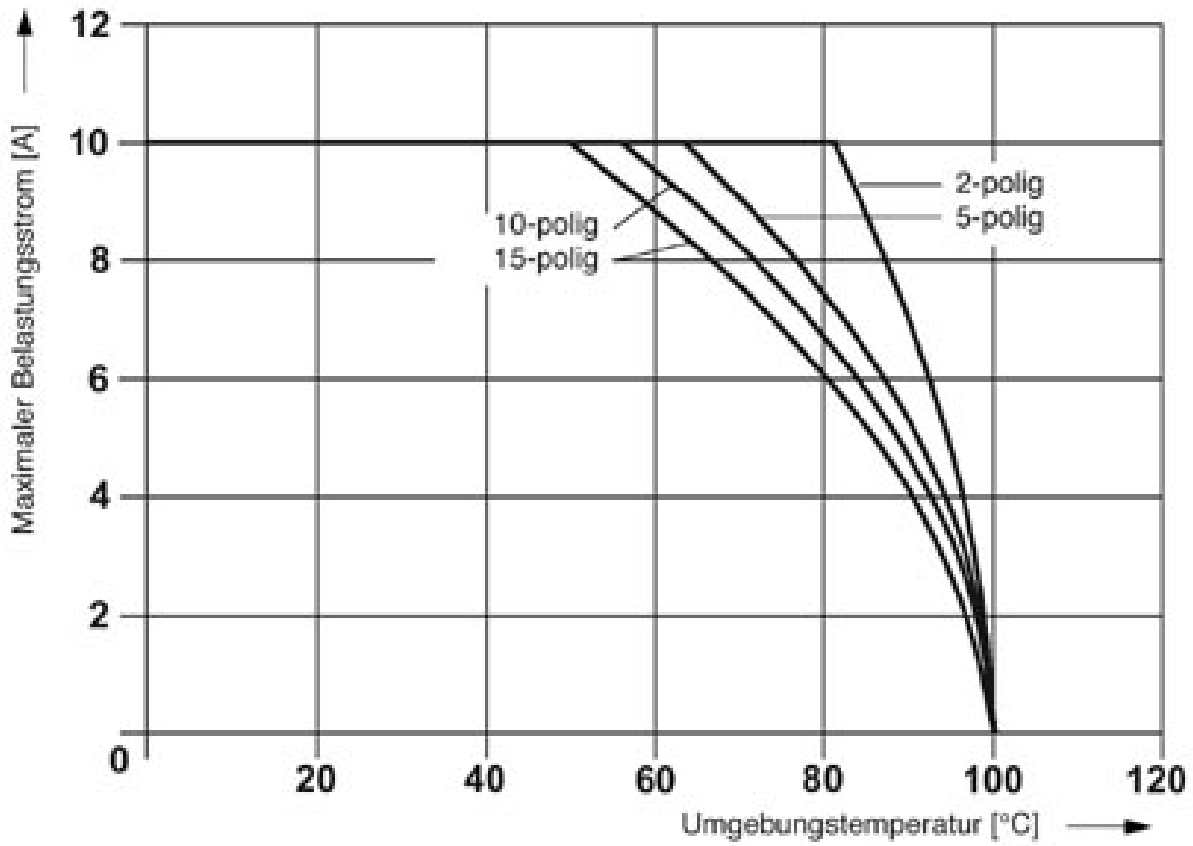
Diagram



Derating curve for STTB 2,5/ 2P, STTB 2,5/ 2P-PV and for all plug versions SP...

# Plug - SP 2,5/ 1-L - 3043019

Diagram



Derating curve for ST 2,5-4L/1P, ST 2,5-4L/2P and for all plug versions SP...

Circuit diagram



# Plug - SP 2,5/ 1-L - 3043019

Schematic diagram

