

## Plug - SP 2,5/ 1-L GNYE - 3043035

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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: green-yellow

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             | 4017918894894 |

### Technical data

#### General

|                                         |              |
|-----------------------------------------|--------------|
| Number of levels                        | 1            |
| Number of connections                   | 1            |
| Color                                   | green-yellow |
| 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 GNYE - 3043035

### Technical data

#### Dimensions

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

#### Connection data

|                                                                                                |                        |
|------------------------------------------------------------------------------------------------|------------------------|
| <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>Connection method</b>                                                                       | Spring-cage connection |
| <b>Stripping length</b>                                                                        | 10 mm                  |
| <b>Internal cylindrical gage</b>                                                               | A3                     |

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

#### UNSPSC

# Plug - SP 2,5/ 1-L GNYE - 3043035

## classifications

### 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 / IECCE CB Scheme / GOST / CSA / cULus Recognized /

### Approval details

| <b>CSA</b>  |       |       |
|----------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                    | B     | C     |
| Nominal voltage UN                                                                           | 300 V | 300 V |
| Nominal current IN                                                                           | 20 A  | 20 A  |
| mm²/AWG/kcmil                                                                                | 24-12 | 24-12 |

| <b>UL Recognized</b>  |       |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                                | B     | C     | D     |
| Nominal voltage UN                                                                                       | 300 V | 300 V | 600 V |
| Nominal current IN                                                                                       | 20 A  | 20 A  | 5 A   |
| mm²/AWG/kcmil                                                                                            | 28-12 | 28-12 | 28-12 |

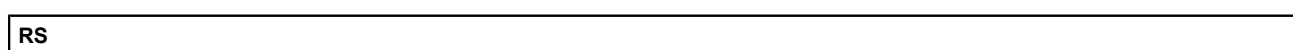
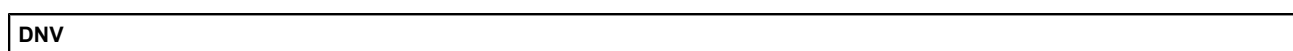
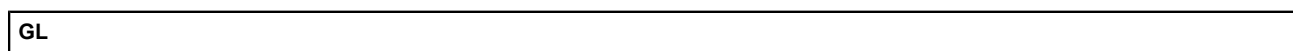
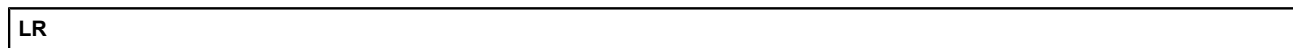
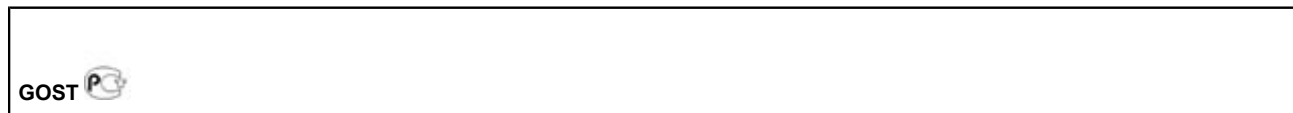
| <b>VDE Gutachten mit Fertigungsüberwachung</b>  |       |
|------------------------------------------------------------------------------------------------------------------------------------|-------|
|                                                                                                                                    |       |
| Nominal voltage UN                                                                                                                 | 500 V |
| Nominal current IN                                                                                                                 |       |
| mm²/AWG/kcmil                                                                                                                      | 0.2-4 |

| <b>cUL Recognized</b>  |       |       |       |
|-----------------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                                 | B     | C     | D     |
| Nominal voltage UN                                                                                        | 300 V | 300 V | 600 V |

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### approvals

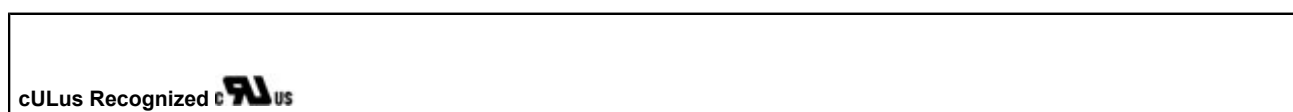
| Usegroups          | B     | C     | D     |
|--------------------|-------|-------|-------|
| Nominal current IN | 20 A  | 20 A  | 5 A   |
| mm²/AWG/kcmil      | 28-12 | 28-12 | 28-12 |



|                                                                                                     |       |
|-----------------------------------------------------------------------------------------------------|-------|
| IECEE CB Scheme  |       |
| Nominal voltage UN                                                                                  | 500 V |
| Nominal current IN                                                                                  |       |
| mm²/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   |
| mm²/AWG/kcmil                                                                       | 24-12 | 24-12 | 24-12 |



## Plug - SP 2,5/ 1-L GNYE - 3043035

### accessories

#### Strain relief

PZ/2 - 3040627



PZ/4 - 3040643



#### Mounting material

PR - 3040559



PR/2 - 3040630



PRZ - 3040614



#### Shield connection

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### accessories

PSH 3- 6 - 3040591



PSH 5-10 - 3040601



### Marker pen

B-STIFT - 1051993



X-PEN 0,35 - 0811228



### Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



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### accessories

UC-TMF 5 - 0818153



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UCT-TMF 5 - 0828744



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### Labeled terminal marker

ZBF 5 CUS - 0825025



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UC-TMF 5 CUS - 0824638



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UCT-TMF 5 CUS - 0829658

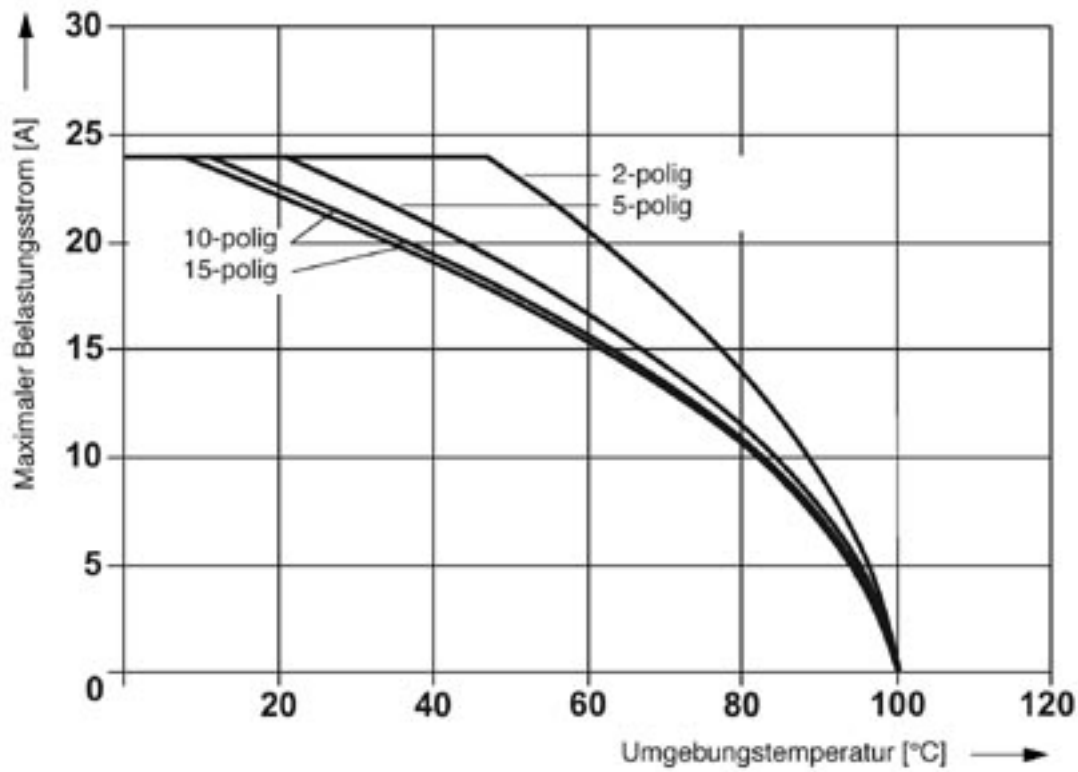


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### Drawings

## Plug - SP 2,5/ 1-L GNYE - 3043035

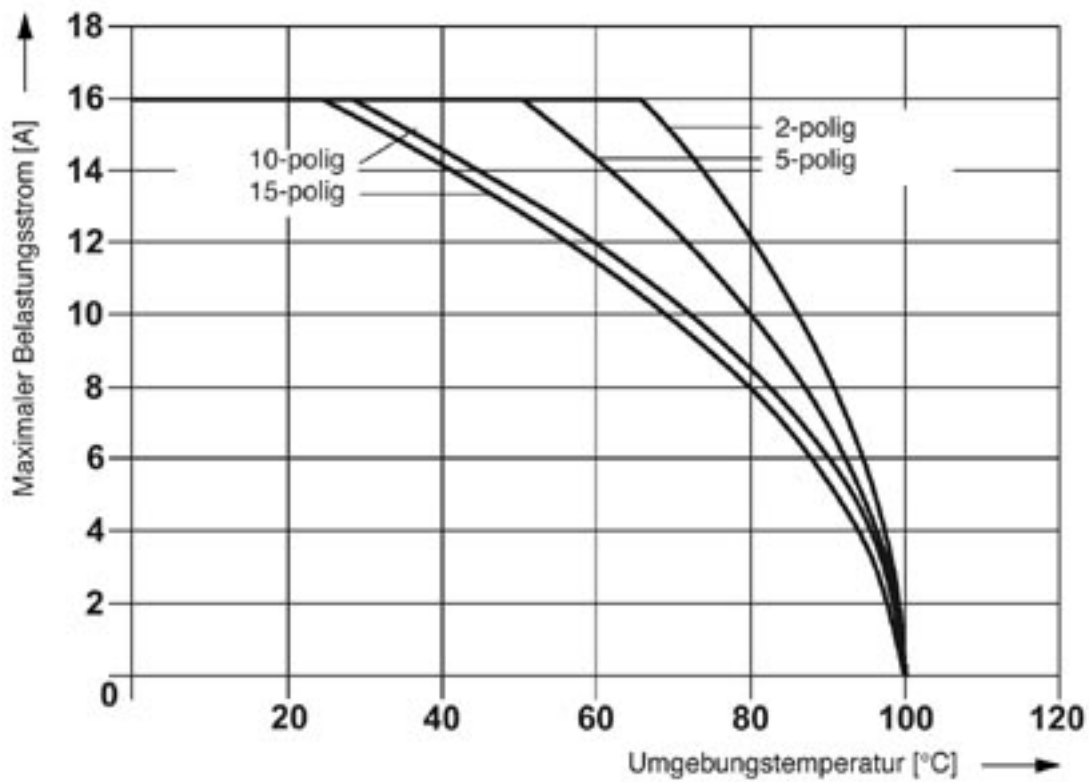
Diagram



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 GNYE - 3043035

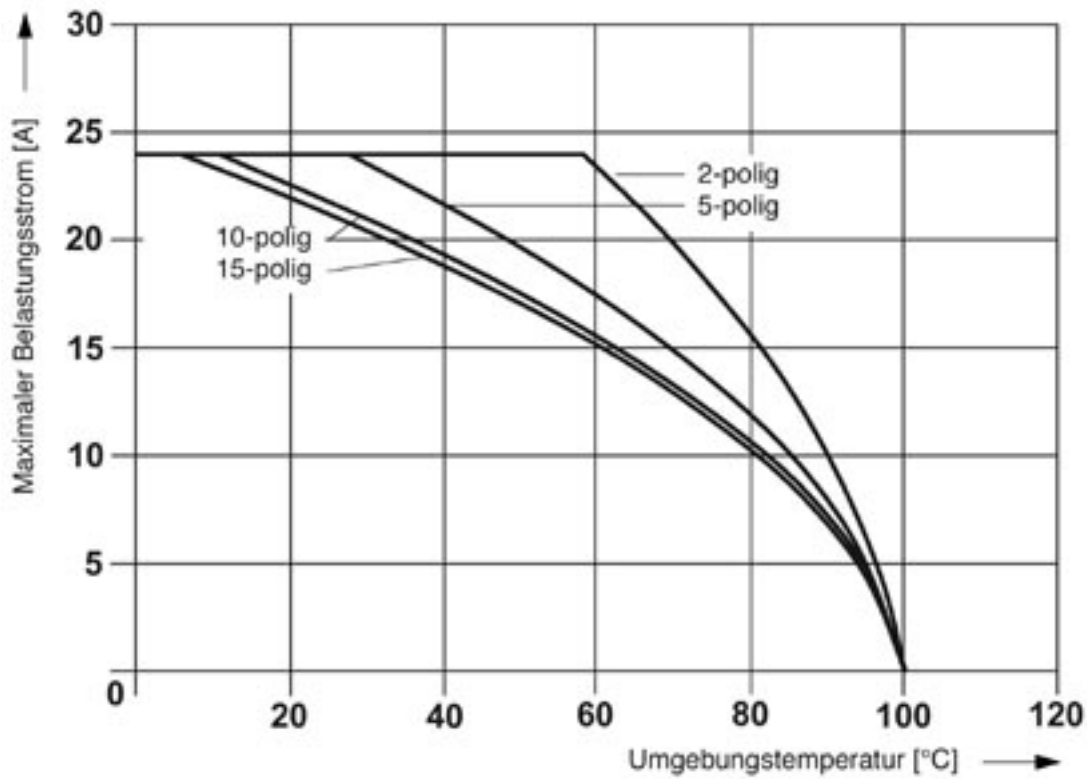
Diagram



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 GNYE - 3043035

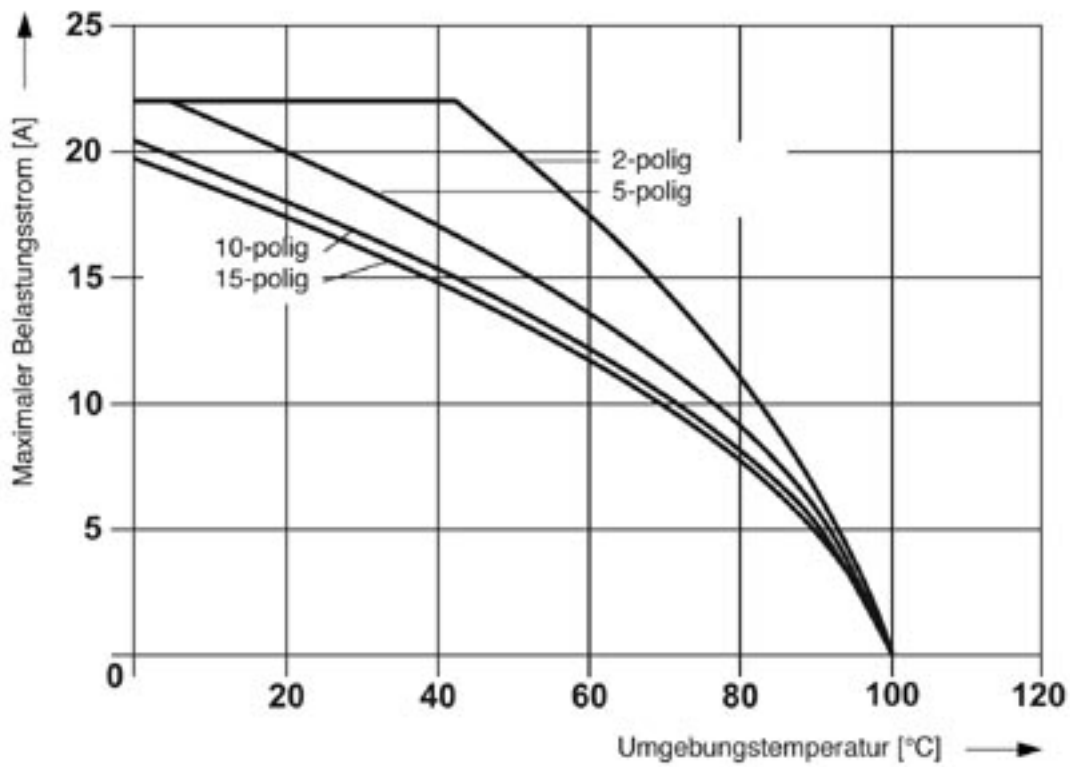
Diagram



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

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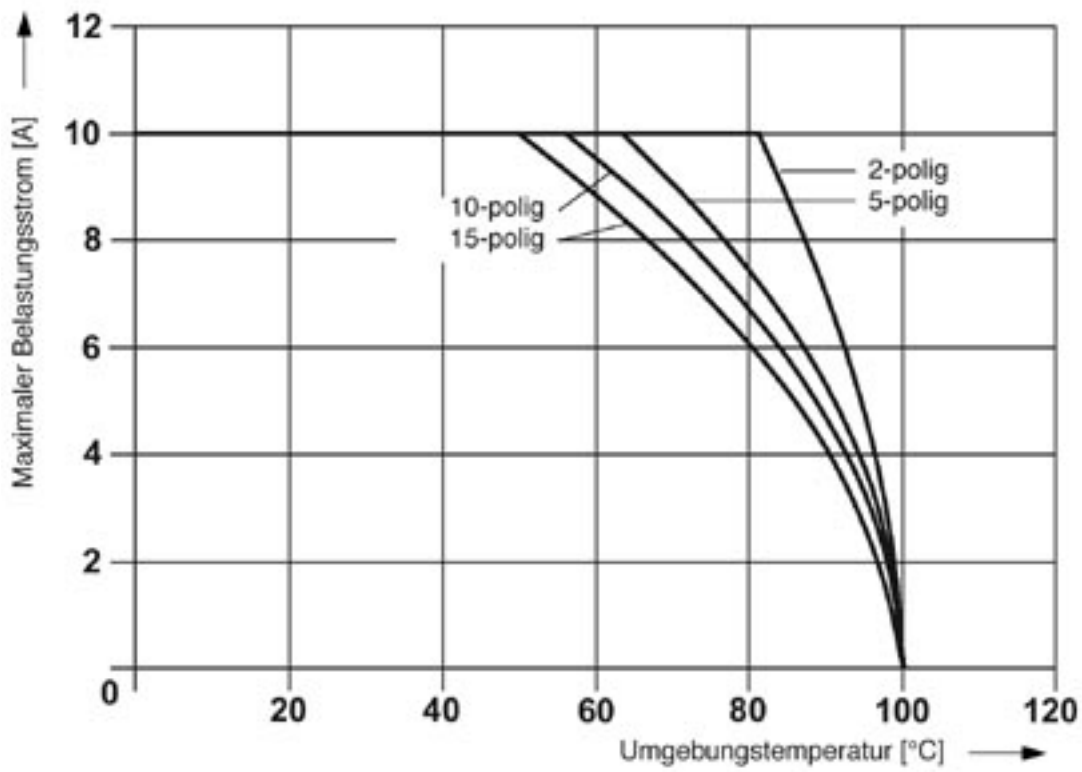
Diagram



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

## Plug - SP 2,5/ 1-L GNYE - 3043035

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 GNYE - 3043035

Schematic diagram

