

# Plug - SPDB 2,5/10 - 3040494

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Plug, Connection method: Spring-cage connection, Number of positions: 10, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 52 mm, Height: 39 mm, Color: gray

The illustration shows a 6-position version

## Product Features

- Plug with bridging option, for use with basic terminal blocks
- Tested for railway applications

## Key commercial data

<b>package_quantity</b>	25
<b>GTIN</b>	4017918833176

## Technical data

### General

<b>Number of levels</b>	1
<b>Number of connections</b>	2
<b>Color</b>	gray
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0
<b>Area of application</b>	Railway industry
<b>Area of application</b>	Mechanical engineering
<b>Area of application</b>	Plant engineering

### General

<b>Maximum load current</b>	24 A (with 2.5 mm <sup>2</sup> conductor cross section)
<b>Rated surge voltage</b>	6 kV
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Insulating material group</b>	I
<b>Connection in acc. with standard</b>	IEC 61984
<b>Nominal current I<sub>N</sub></b>	24 A
<b>Nominal voltage U<sub>N</sub></b>	500 V
<b>Open side panel</b>	nein
<b>Number of positions</b>	10

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## Technical data

### Dimensions

<b>Width</b>	52 mm
<b>Length</b>	32.7 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 - SPDB 2,5/10 - 3040494

## 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 / cUL Recognized / GOST / LR / GL / BV / DNV / RS / 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
mm <sup>2</sup> /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
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

<b>cUL Recognized</b>			
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

<b>GOST</b>	
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<b>LR</b>
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approvals

GL

BV

DNV

RS



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	24-12	24-12	24-12



accessories

## Mounting material

PDZ/2 - 3040562



PDZ/4 - 3040575



## Plug - SPDB 2,5/10 - 3040494

accessories

PR - 3040559



PR/2 - 3040630



PRZ - 3040614



### Shield connection

PSH 3- 6 - 3040591



PSH 5-10 - 3040601



### Flange

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accessories

DFS-SPDB 2,5 - 3061457



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### Marker pen

B-STIFT - 1051993



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X-PEN 0,35 - 0811228



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### Bridge

FBS 2-5 - 3030161



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FBS 3-5 - 3030174



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### accessories

FBS 4-5 - 3030187



FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



### Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



## Plug - SPDB 2,5/10 - 3040494

accessories

UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



**Labeled terminal marker**

ZBF 5 CUS - 0825025



UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658



**Insulating sleeve**



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### accessories

ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



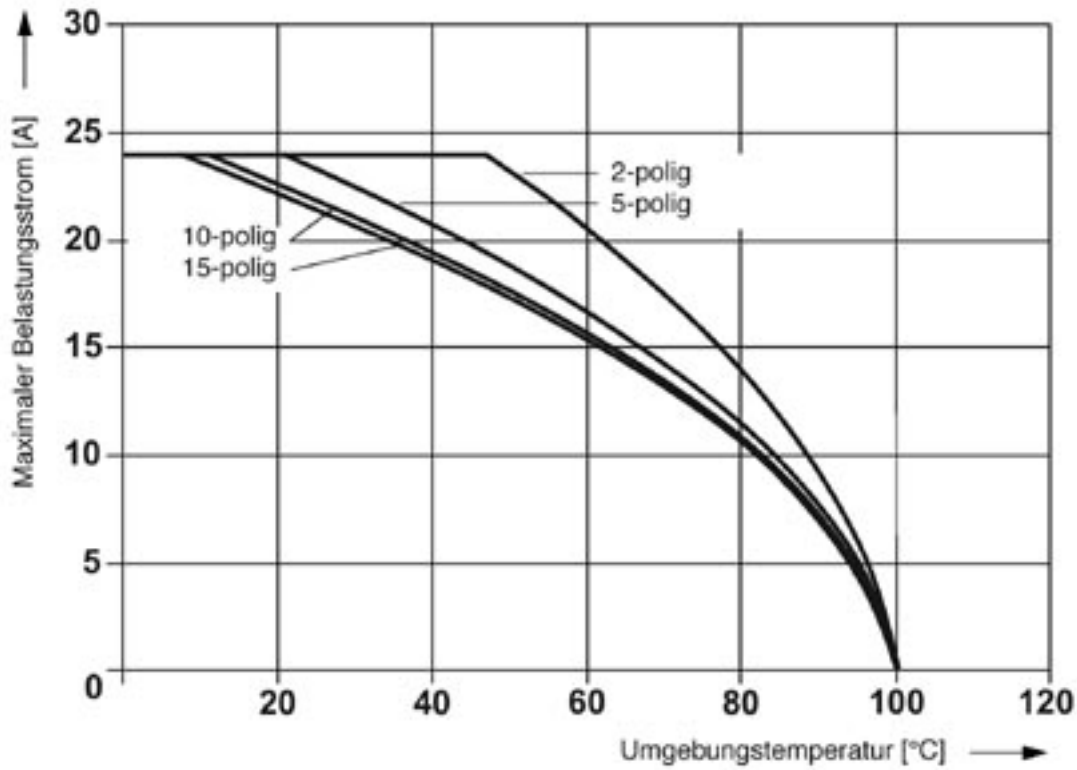
ISH 2,5/1,0 - 3002869



### Drawings

# Plug - SPDB 2,5/10 - 3040494

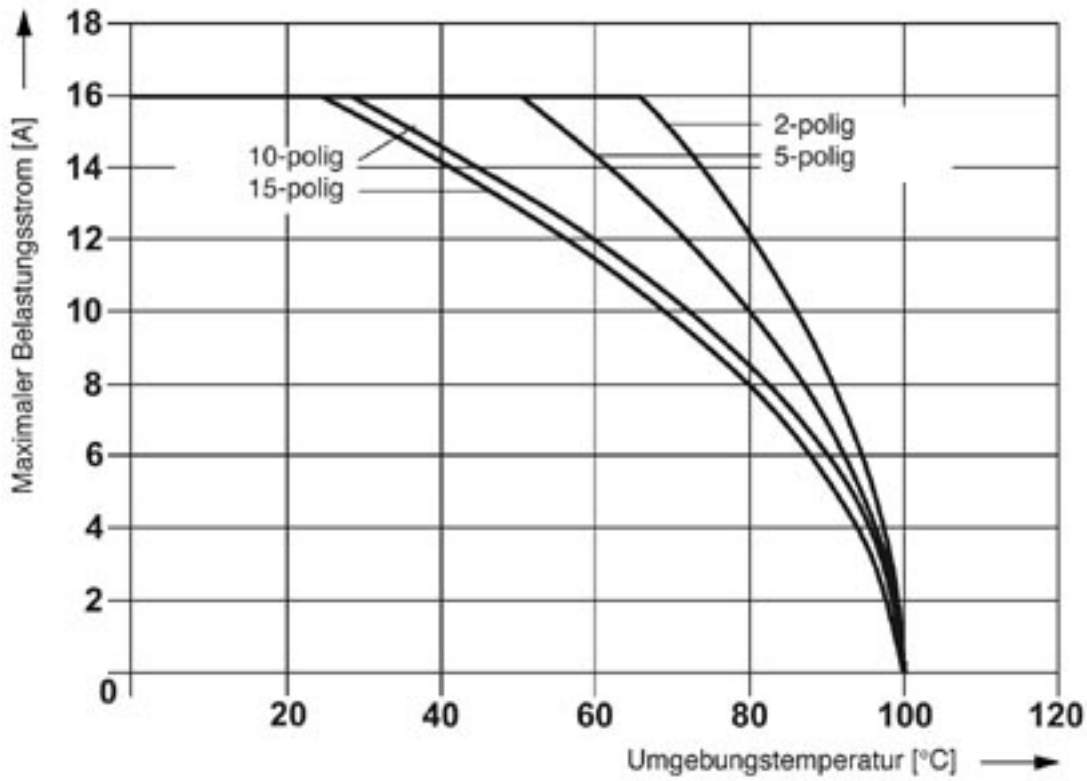
Diagram



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

# Plug - SPDB 2,5/10 - 3040494

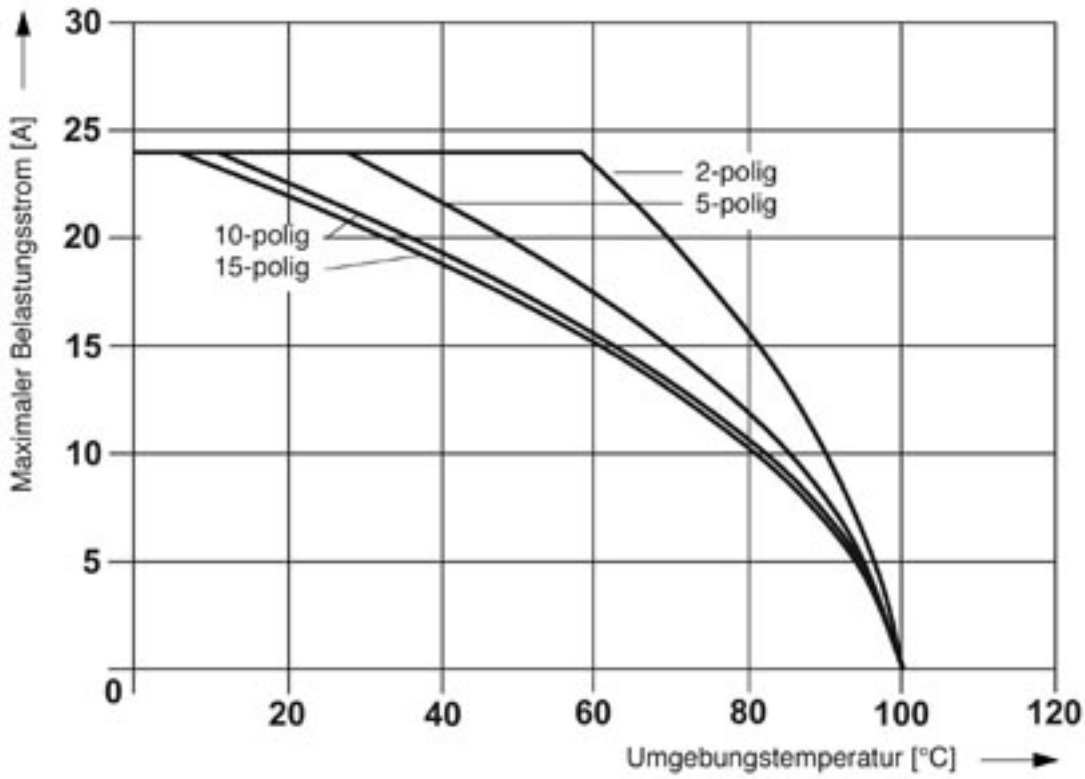
Diagram



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

# Plug - SPDB 2,5/10 - 3040494

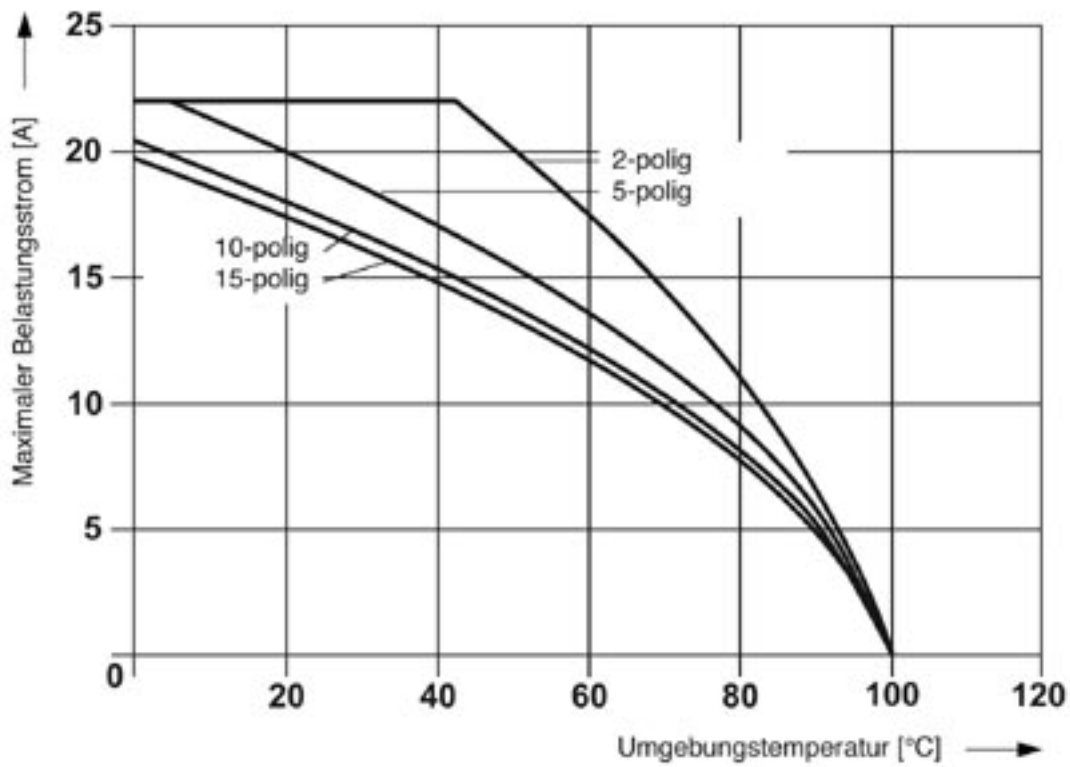
Diagram



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

# Plug - SPDB 2,5/10 - 3040494

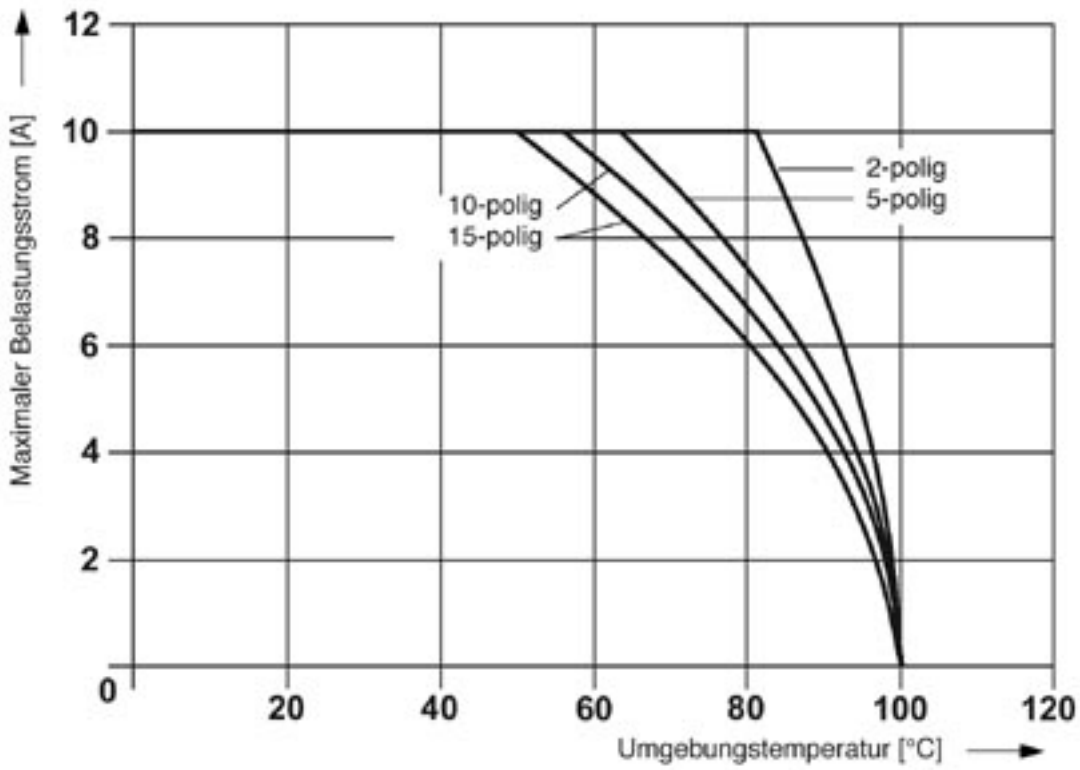
Diagram



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

# Plug - SPDB 2,5/10 - 3040494

Diagram



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

Circuit diagram



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