

Plug - SPDB 2,5/ 4 - 3040436

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Plug, Connection method: Spring-cage connection, Number of positions: 4, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 20.8 mm, Height: 39 mm, Color: gray

The illustration shows a 6-position version

Why buy this product

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



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 833114
Weight per Piece (excluding packing)	19.71 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

General

Number of levels	1
Number of connections	4
Nominal cross section	2.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Mechanical engineering
	Plant engineering
Maximum load current	24 A (with a 2.5 mm ² conductor cross section)
Rated surge voltage	6 kV

Plug - SPDB 2,5/ 4 - 3040436

Technical data

General

Pollution degree	3
Overvoltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Maximum load current	24 A (with 4 mm ² conductor cross section)
Nominal current I _N	24 A
Nominal voltage U _N	500 V
Open side panel	nein
Number of positions	4

Dimensions

Width	20.8 mm
Length	32.7 mm
Height	39 mm
	24.00 mm

Connection data

Connection method	Spring-cage connection
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	28
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.08 mm ²
Conductor cross section flexible max.	2.5 mm ²
Min. AWG conductor cross section, flexible	28
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Connection method	Plug connection

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

Plug - SPDB 2,5/ 4 - 3040436

Classifications

eCl@ss

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

UNSPSC

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

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / LR / GL / BV / DNV / RS / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 		
	B	C
mm ² /AWG/kcmil	24-12	24-12
Nominal current I _N	20 A	20 A
Nominal voltage U _N	300 V	300 V

Plug - SPDB 2,5/ 4 - 3040436

Approvals

UL Recognized 			
	B	C	D
mm²/AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

cUL Recognized 			
	B	C	D
mm²/AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	5 A
Nominal voltage U _N	300 V	300 V	600 V

LR

GL

BV

DNV

RS

EAC

cULus Recognized 			
--	--	--	--

Accessories

Accessories

Flange

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Flange cover - DFS-SPDB 2,5 - 3061457



Flange cover, Length: 35.8 mm, Width: 4.5 mm, Height: 24.7 mm, Color: gray

Insulating sleeve

Insulating sleeve - ISH 2,5/0,2 - 3002843



Insulating sleeve, Color: white

Insulating sleeve - ISH 2,5/0,5 - 3002856



Insulating sleeve, Color: gray

Insulating sleeve - ISH 2,5/1,0 - 3002869



Insulating sleeve, Color: black

Jumper

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, Length: 22.7 mm, Width: 9 mm, Number of positions: 2, Color: red

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Plug-in bridge - FBS 3-5 - 3030174



Plug-in bridge, Length: 22.7 mm, Width: 14.2 mm, Number of positions: 3, Color: red

Plug-in bridge - FBS 4-5 - 3030187



Plug-in bridge, Length: 22.7 mm, Width: 19.4 mm, Number of positions: 4, Color: red

Plug-in bridge - FBS 5-5 - 3030190



Plug-in bridge, Length: 22.7 mm, Width: 24.6 mm, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-5 - 3030213



Plug-in bridge, Length: 22.7 mm, Width: 50.6 mm, Number of positions: 10, Color: red

Plug-in bridge - FBS 20-5 - 3030226



Plug-in bridge, Number of positions: 20, Color: red

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Plug-in bridge - FBS 50-5 - 3038930



Plug-in bridge, Number of positions: 50, Color: red

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, Number of positions: 2, Color: blue

Plug-in bridge - FBS 3-5 BU - 3036880



Plug-in bridge, Number of positions: 3, Color: blue

Plug-in bridge - FBS 4-5 BU - 3036893



Plug-in bridge, Number of positions: 4, Color: blue

Plug-in bridge - FBS 5-5 BU - 3036903



Plug-in bridge, Number of positions: 5, Color: blue

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Plug-in bridge - FBS 10-5 BU - 3036916



Plug-in bridge, Number of positions: 10, Color: blue

Plug-in bridge - FBS 20-5 BU - 3036929



Plug-in bridge, Number of positions: 20, Color: blue

Plug-in bridge - FBS 50-5 BU - 3032114



Plug-in bridge, Number of positions: 50, Color: blue

Plug-in bridge - FBS 2-5 GY - 3038969



Plug-in bridge, Number of positions: 2, Color: gray

Plug-in bridge - FBS 3-5 GY - 3038972



Plug-in bridge, Number of positions: 3, Color: gray

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Plug-in bridge - FBS 4-5 GY - 3038985



Plug-in bridge, Number of positions: 4, Color: gray

Plug-in bridge - FBS 5-5 GY - 3038998



Plug-in bridge, Number of positions: 5, Color: gray

Plug-in bridge - FBS 10-5 GY - 3039007



Plug-in bridge, Number of positions: 10, Color: gray

Plug-in bridge - FBS 20-5 GY - 3038671



Plug-in bridge, Number of positions: 20, Color: gray

Plug-in bridge - FBS 50-5 GY - 3032127



Plug-in bridge, Number of positions: 50, Color: gray

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Plug-in bridge - FBSR 2-5 - 3033702



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBSR 3-5 - 3001591



Plug-in bridge, Number of positions: 3, Color: red

Plug-in bridge - FBSR 4-5 - 3001592



Plug-in bridge, Number of positions: 4, Color: red

Plug-in bridge - FBSR 5-5 - 3001593



Plug-in bridge, Number of positions: 5, Color: red

Plug-in bridge - FBSR 10-5 - 3033710



Plug-in bridge, Number of positions: 10, Color: red

Labeled terminal marker

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Marker for terminal blocks - UC-TMF 5 CUS - 0824638



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Mounting material

Strain relief - PDZ/2 - 3040562



Strain relief, Length: 3 mm, Width: 9.6 mm, Height: 23 mm, Number of positions: 2, Color: black

Strain relief - PDZ/4 - 3040575



Strain relief, Length: 3 mm, Width: 19.9 mm, Height: 23 mm, Number of positions: 4, Color: black

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Latching - PR - 3040559



Latching, Number of positions: 1, Color: orange

Latching - PR/2 - 3040630



Latching, Number of positions: 2, Color: orange

Latching - PRT/2 - 3040631



Latching, can only be released using a screwdriver, Number of positions: 2, Color: orange

Latching - PRZ - 3040614



Latching, Length: 3 mm, Width: 5.2 mm, Number of positions: 2, Color: orange

Screwdriver tools

Screwdriver - ST-BW - 1207608



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

Shield connection

Plug - SPDB 2,5/ 4 - 3040436

Accessories

Shield connection clamp - PSH 3- 6 - 3040591



Shield connection clamp, Color: black

Shield connection clamp - PSH 5-10 - 3040601



Shield connection clamp, Color: black

Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 5 - 0828744

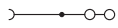


Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 5.2 mm, Lettering field: 4.4 x 4.7 mm

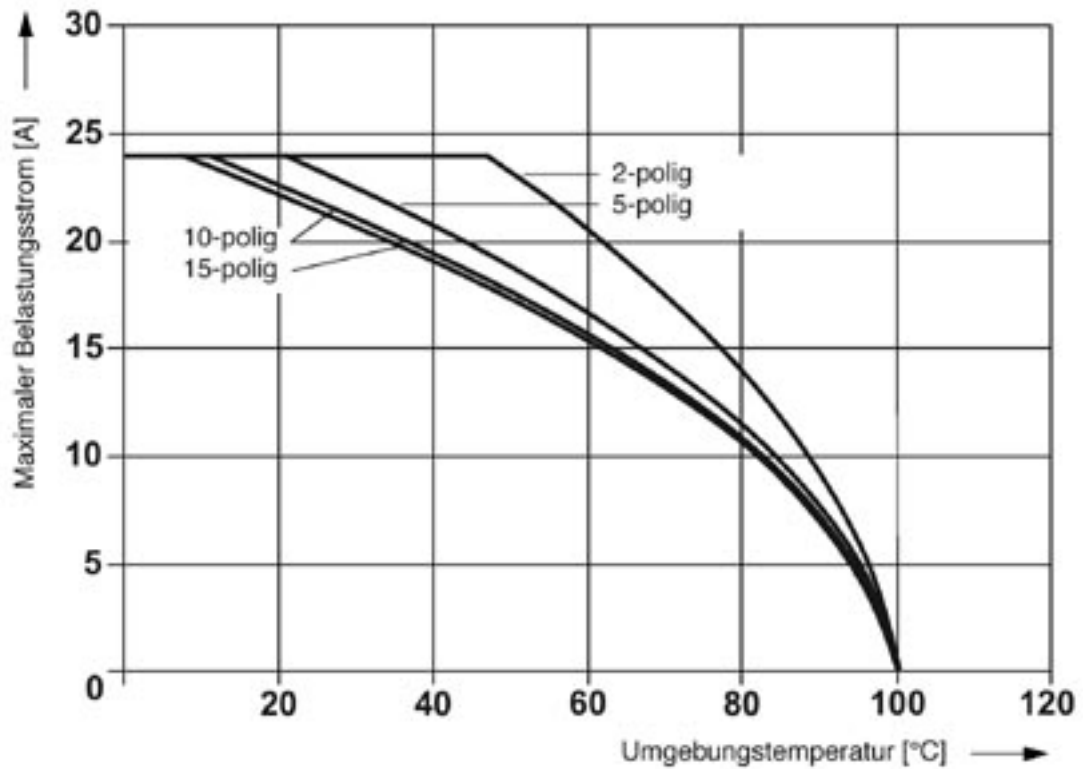
Drawings

Plug - SPDB 2,5/ 4 - 3040436

Circuit
diagram



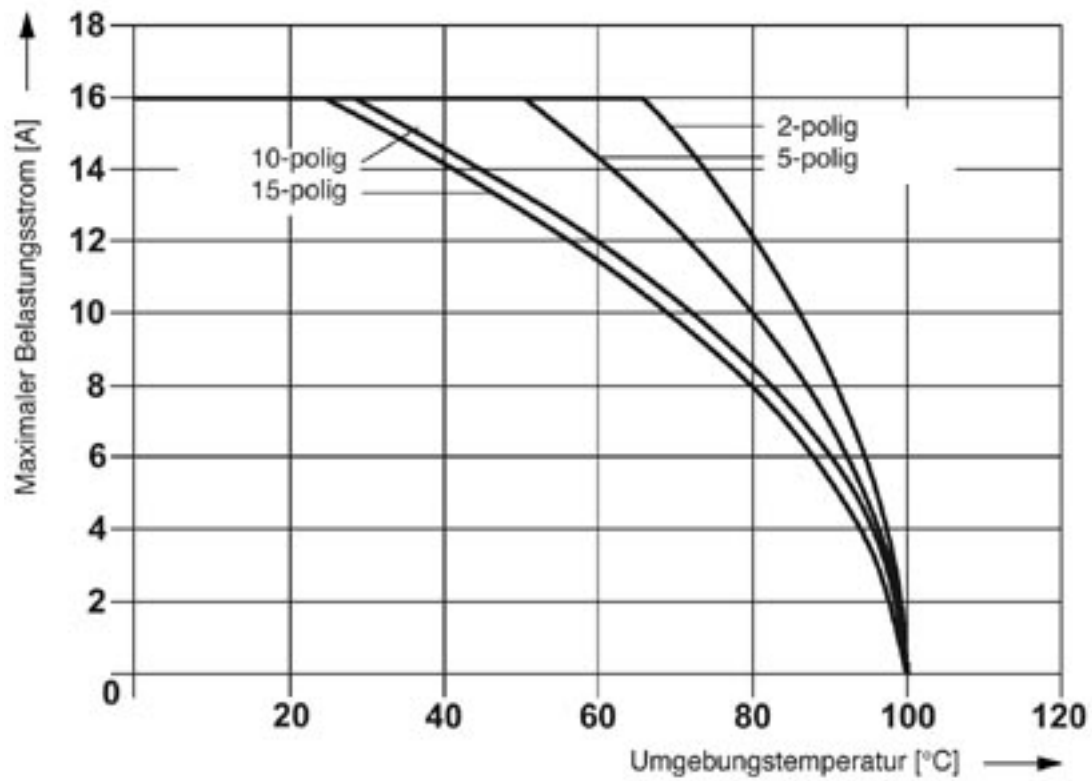
Diagram



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/ 4 - 3040436

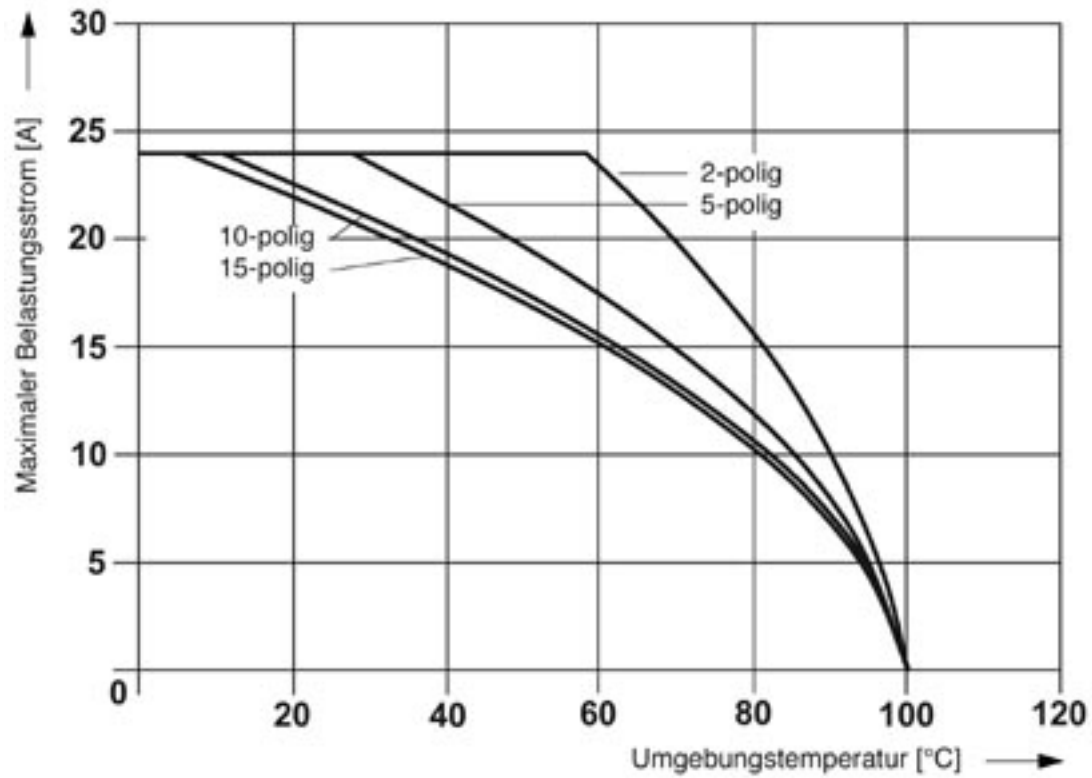
Diagram



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/ 4 - 3040436

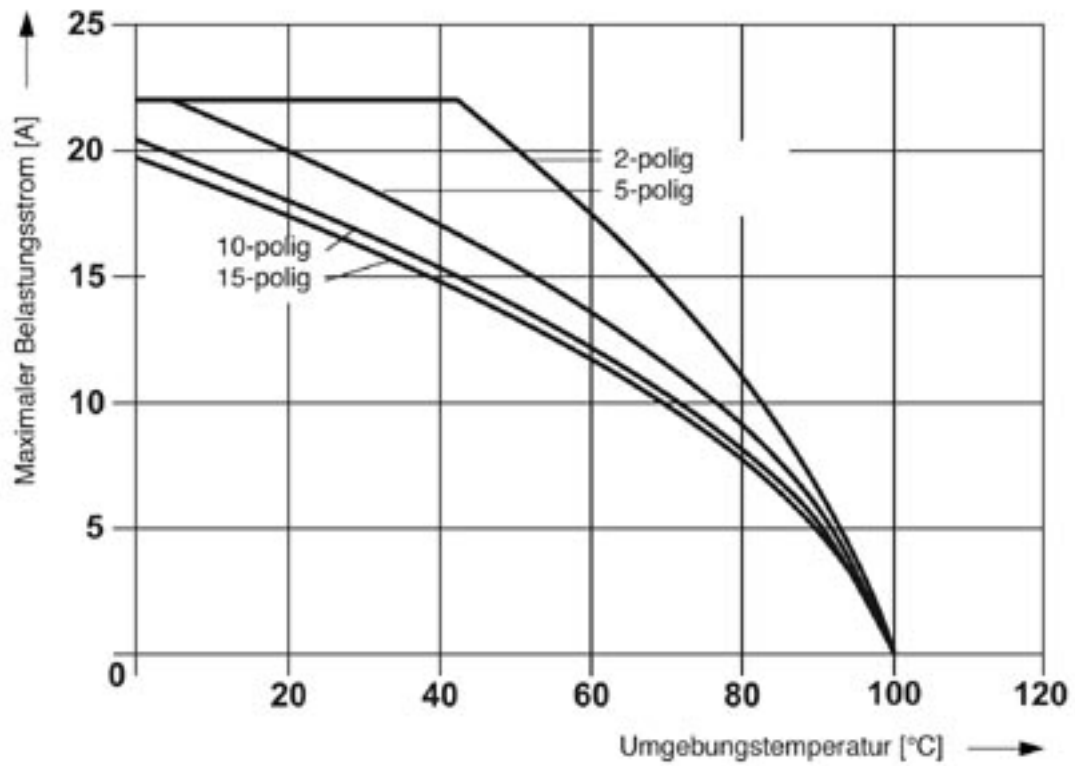
Diagram



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

Plug - SPDB 2,5/ 4 - 3040436

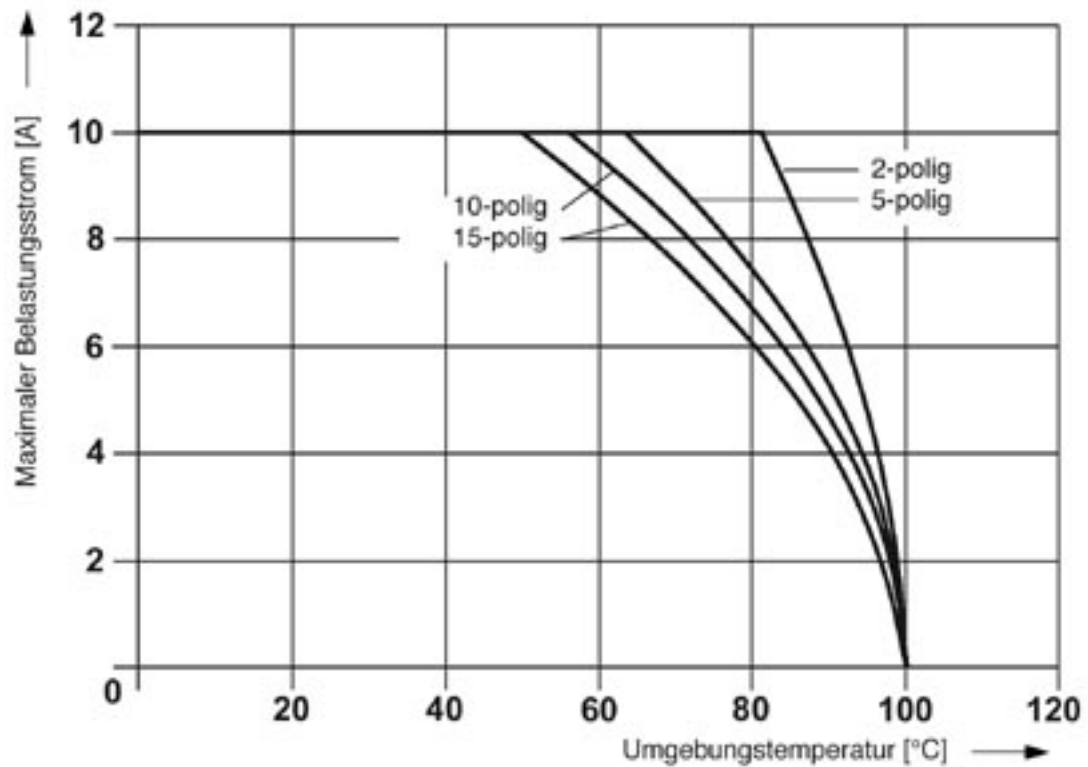
Diagram



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

Plug - SPDB 2,5/ 4 - 3040436

Diagram



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