Extract from the online catalog

SPDB 2,5/ 1-R

Order No.: 3043255

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



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3043255

Connectors, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.08 mm² - 4 mm², AWG 28 - 12, Width: 5.2 mm, Height: 39 mm, Color: gray

Commercial data	
GTIN (EAN)	4 017918 895112
sales group	A671
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 289 (CL-2009)

Product notes

WEEE/RoHS-compliant since: 01/01/2003

http://www.download.phoenixcontact.com
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions

Width	5.2 mm
Length	32.7 mm
Height	39 mm

Technical data

Maximum load current	24 A (with 2.5 mm^2 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_N	24 A
Nominal voltage U_N	500 V
Open side panel	nein
Number of positions	1

Connection data

Conductor cross section solid min.	0.08 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.08 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²
Type of connection	Spring-cage connection
Stripping length	10 mm
Internal cylindrical gage	A3

Certificates / Approvals

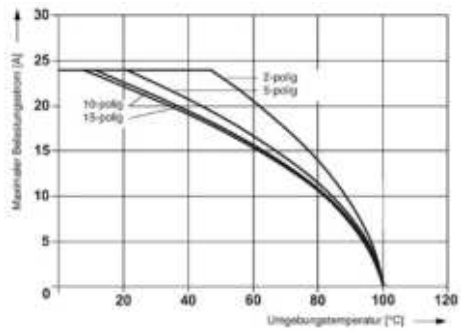
Certification	BV, CB, CSA, CUL, DNV, GL, GOST, LR, UL, VDE-PZI

Accessories

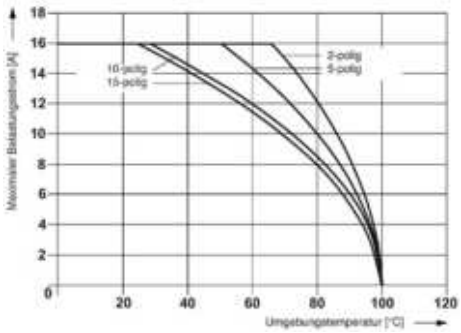
Item	Designation	Description
Assembly		
3040562	PDZ/2	Strain relief, Length: 3 mm, Width: 9.6 mm, Height: 23 mm, Number of positions: 2, Color: black
3040575	PDZ/4	Strain relief, Length: 3 mm, Width: 19.9 mm, Height: 23 mm, Number of positions: 4, Color: black
3040559	PR	Latching, Number of positions: 1, Color: orange
3040630	PR/2	Latching, Number of positions: 2, Color: orange
3040614	PRZ	Latching, Number of positions: 2, Color: orange
3040591	PSH 3- 6	Test plugs, Color: black
3040601	PSH 5-10	Test plugs, Color: black
Bridges		
3030161	FBS 2-5	Plug-in bridge, Number of positions: 2, Color: red
3030174	FBS 3-5	Plug-in bridge, Number of positions: 3, Color: red
3030187	FBS 4-5	Plug-in bridge, Number of positions: 4, Color: red
3030190	FBS 5-5	Plug-in bridge, Number of positions: 5, Color: red
3030213	FBS 10-5	Plug-in bridge, Number of positions: 10, Color: red
3030226	FBS 20-5	Plug-in bridge, Number of positions: 20, Color: red
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
0808671	ZBF 5,LGS:FORTL.ZAHLEN	Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 491 - 500, color: white
0808642	ZBF 5:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white

Diagrams/Drawings

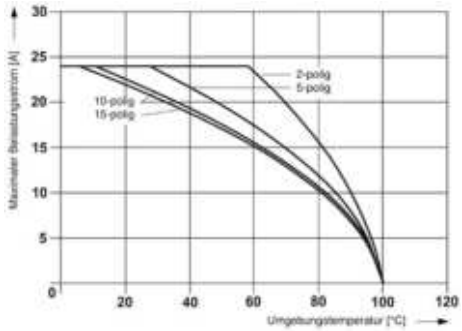
Diagram



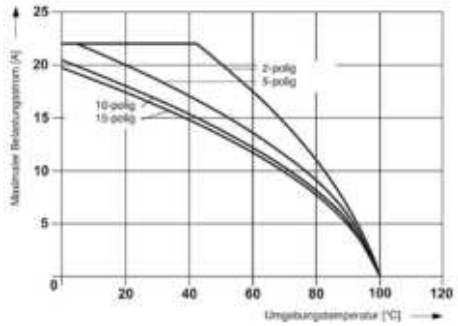
Derating curve for ST 2,5/ 1P, ST 2,5/ 2P, ST 2,5-TWIN/ 1P and for all plug versions SP... .



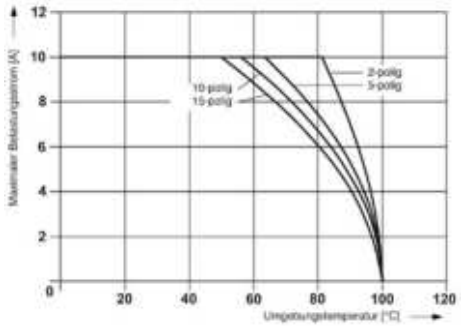
Derating curve for ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P and for all plug versions SP... .



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



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



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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