

## SMSTB 2,5/ 9-ST

Order No.: 1768820

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1768820>Plug component, nominal current: 12 A, rated voltage: 250 V, pitch:  
5.0 mm, no. of positions: 9, type of connection: Screw connection

### Commercial data

EAN	4017918034184
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.01722 KG
Catalog page information	Page 177 (CC-2007)

### 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 / positions

Pitch	5 mm
Dimension a	40 mm
Number of positions	9
Screw thread	M 3
Tightening torque, min	0.5 Nm

**Technical data**

Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	12 A
Nominal voltage $U_N$	250 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A (with 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class acc. to UL 94	V2
Internal cylindrical gage	A3
Stripping length	7 mm

**Connection data**

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>

2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>

**Certificates / Approvals**

Approval logo



**CSA**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	28-12

**CUL**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	30-12

**UL**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	30-12
Certification	CSA, CUL, GOST, UL

**Additional products**

Item	Designation	Description
<b>General</b>		
0707167	DFK-MSTB 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 9, mounting: Direct mounting

1899919	EMSTBA 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Press in
1914920	EMSTBVA 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 200 V, pitch: 5.0 mm, no. of positions: 9, mounting: press in
1762761	MDSTB 2,5/ 9-G1	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1846580	MDSTBA 2,5/ 9-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1762910	MDSTBV 2,5/ 9-G1	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1845853	MDSTBVA 2,5/ 9-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1754575	MSTB 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1768257	MSTB 2,5/ 9-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1757530	MSTBA 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1770559	MSTBA 2,5/ 9-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1753576	MSTBV 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1755587	MSTBVA 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1736043	MSTBW 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1769308	SMSTB 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering
1769874	SMSTBA 2,5/ 9-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 9, mounting: Soldering

## Drawings

Dimensioned drawing

