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## ► Extract from the online catalog



Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, type of connection: Screw connection

The illustration shows a 15-position version

Order No.	1768765
Ord designation	SMSTB 2,5/ 2-ST
EAN	4017918034122
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0,00409 KG
Catalog page information	Page 129 (CC-2005)

## ► Product notes

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



**IMPORTANT :** This date is valid for Customers in Germany only. Date Format is MM/DD/YYYY. Please contact your local in-country Phoenix Contact location or designated business partner for a Logistics Compliant date in your area. In order to guarantee delivery of RoHS-Compliant product, please purchase Phoenix Contact parts from authorized Phoenix Contact representatives and distributors.

## ► Technical data

### Dimensions / positions

Height	15.5 mm
Pitch	5 mm
Dimension a	5 mm
Number of positions	2
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

### Certificate logos



#### CSA

Comments	all numbers of positions are accepted
Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A
AWG/kcmil	28-12

#### CUL

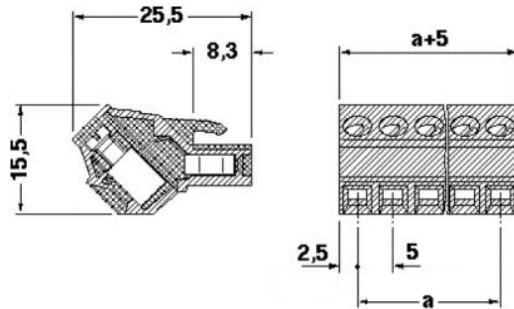
Comments	all numbers of positions are accepted
Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A
AWG/kcmil	30-12
Nominal voltage $U_N$	250 V
Nominal current $I_N$	12 A
AWG/kcmil	30-12

#### UL

Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A
AWG/kcmil	30-12
Nominal voltage $U_N$	250 V
Nominal current $I_N$	12 A
AWG/kcmil	30-12

## ► Drawings

Dimensioned drawing



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## ► Accessories

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Item	Designation	Description
<b>Tools</b>		
1205053	SZS 0,6X3,5	Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval

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## ► Additional products

Item	Designation	Description
<b>General</b>		
0707109	DFK-MSTB 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 2, mounting: Direct mounting
1899841	EMSTBA 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Press in
1914852	EMSTBVA 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 200 V, pitch: 5.0 mm, no. of positions: 2, mounting: press in
1762046	MDSTB 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1846519	MDSTBA 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1763032	MDSTBV 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1845785	MDSTBVA 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1802443	MDSTBW 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1754436	MSTB 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1768189	MSTB 2,5/ 2-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1757475	MSTBA 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1770481	MSTBA 2,5/ 2-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1753437	MSTBV 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1755516	MSTBVA 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1736111	MSTBW 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1769230	SMSTB 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1769803	SMSTBA 2,5/ 2-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering

## ► Address

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