

## FRONT-MSTB 2,5/ 2-ST

Order No.: 1779411

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1779411>Plug component, nominal current: 12 A, rated voltage: 250 V, pitch:  
5.0 mm, no. of positions: 2, type of connection: Screw connection

### Commercial data

EAN	4017918040109
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.006128 KG
Catalog page information	Page 180 (CC-2007)

### Product notes

WEEE/RoHS-compliant since:  
10/19/2005

<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	5 mm
Number of positions	2
Screw thread	M 2,5
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
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	A3
Stripping length	10 mm

**Connection data**

Conductor cross section solid min.	0.34 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	22-12

**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	CB, CSA, CUL, GOST, UL, VDE-PZI

**Accessories**

Item	Designation	Description
<b>Assembly</b>		
1763058	FRONT-MSTB-EW	Removal aid, for FRONT-MSTB, facilitates extraction of several plugs mounted behind each other

**Bridges**

2303145	EBL 2- 5	Insertion bridge, 2-pos., fully insulated
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**Marking**

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0804183	SK 5/3,8:FORTL.ZAHLEN	Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks
0805072	SK 5/3,8:SO	Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white
0805409	SK 5/3,8:UNBEDRUCKT	Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN

**Plug/Adapter**

1734634	CP-MSTB	Coding profile, is inserted into the slot on the plug or inverted header, red insulating material
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**Tools**

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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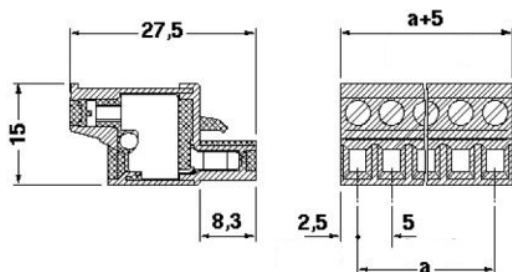
**Additional products**

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: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1846519	MDSTBA 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1763032	MDSTBV 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 2, mounting: Soldering
1845785	MDSTBVA 2,5/ 2-G	Header, nominal current: 10 A, rated voltage: 250 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

## Drawings

Dimensioned drawing



**Address**

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