

FRONT-MSTB 2,5/ 5-ST

Order No.: 1779440

The figure shows a 10-position version of the product



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Plug component, nominal current: 12 A, rated voltage: 250 V, pitch:
5.0 mm, no. of positions: 5, type of connection: Screw connection

Commercial data

EAN	4017918040130
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.01507 KG
Catalog page information	Page 180 (CC-2007)

Product notes

WEEE/RoHS-compliant since:
09/08/2005



[http://
www.download.phoenixcontact.com](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
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Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	20 mm
Number of positions	5
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 ²
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
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 ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²

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

Certificates / Approvals

Approval logo



CSA

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	22-12

CUL

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	30-12

UL

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	30-12
Certification	CB, CSA, CUL, GOST, UL, VDE-PZI

Accessories

Item	Designation	Description
Assembly		
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
2303158	EBL 3- 5	Insertion bridge, 3-pos., fully insulated

General

2303161	EBL 4- 5	Insertion bridge, 4-pos., fully insulated
2303174	EBL 5- 5	Insertion bridge, 5-pos., fully insulated

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 ² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval
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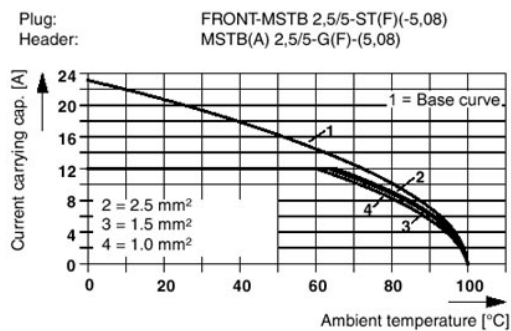
Additional products

Item	Designation	Description
General		
0707138	DFK-MSTB 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.0 mm, no. of positions: 5, mounting: Direct mounting
1899870	EMSTBA 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: press in
1914881	EMSTBVA 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 200 V, pitch: 5.0 mm, no. of positions: 5, mounting: press in
1846548	MDSTBA 2,5/ 5-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, number of positions: 5, mounting type: soldering

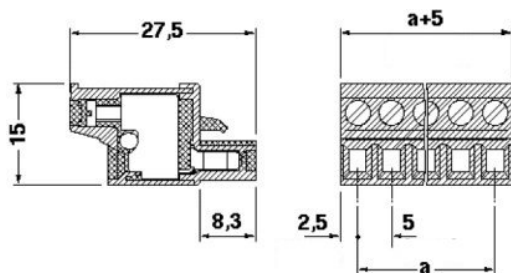
1845811	MDSTBVA 2,5/ 5-G	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.0 mm, number of positions: 5, mounting type: soldering
1754494	MSTB 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1768215	MSTB 2,5/ 5-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1757501	MSTBA 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1770517	MSTBA 2,5/ 5-G-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1753495	MSTBV 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1755545	MSTBVA 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1736085	MSTBW 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1769269	SMSTB 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering
1769832	SMSTBA 2,5/ 5-G	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.0 mm, no. of positions: 5, mounting: Soldering

Drawings

Diagram



Dimensioned drawing



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