

**MSTB 2,5/ 5-ST-5,08**

Order No.: 1757048

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1757048>

Plug, nominal current: 12 A, rated voltage: 250 V, pitch: 5,08 mm, no.  
of positions: 5, type of connection: Screw connection

**Commercial data**

EAN	4017918029579
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.008637 KG
Catalog page information	Page 174 (CC-2007)

**Product notes**

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



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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
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**Technical data****Dimensions / positions**

Pitch	5.08 mm
Dimension a	20.32 mm
Number of positions	5
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	V0
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



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

### Accessories

Item	Designation	Description
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#### Bridges

1733172	EBP 3- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 3
1733185	EBP 4- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 4

1733198	EBP 5- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 5
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**General**

1733169	EBP 2- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2
1803895	KGG-MSTB 2,5/ 5	Cable housing, for cable diameters of 5 -9.5 mm, clamp, screws, and marker strips are included, color: green, no. of positions: 5

**Marking**

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0805108	SK 5,08/2,8:SO	Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White
0804293	SK 5,08/3,8: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
0803883	SK U/2,8 WH:UNBEDRUCKT	Unprinted marker cards, DIN A4 format, pitch as desired, self-adhesive, with 50 stamped marker strips, 185 mm strip length, can be labeled with the CMS system or manually 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**

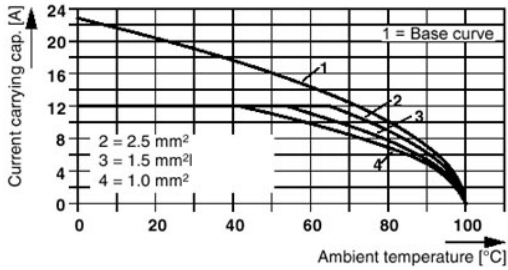
Item	Designation	Description
<b>General</b>		
1880339	EMSTBA 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Press in
1859548	EMSTBVA 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 200 V, pitch: 5.08 mm, no. of positions: 5, mounting: press in
1873388	FKIC 2,5/ 5-ST-5,08	Plug component, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 5, type of connection: Spring-cage connection
1823875	ICC 2,5/ 5-STZ-5,08	Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, type of connection: Crimp connection

1842092	MDSTBA 2,5/ 5-G-5,08	Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.08 mm, number of positions: 5, mounting type: Soldering
1770740	MSTB 2,5/ 5-G-5,08-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Soldering
1757271	MSTBA 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Soldering
1770973	MSTBA 2,5/ 5-G-5,08-LA	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Soldering
1788758	MSTBVK 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 5, mounting: Mounting rail
1788567	MVSTBU 2,5/ 5-GB-5,08	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 5, mounting: Direct mounting
1769492	SMSTB 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Soldering
1767407	SMSTBA 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 5, mounting: Soldering
3002034	UK 3-MSTB-5,08	Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 30 - 12, width: 5.1 mm, color: gray
3002076	UK 3-MVSTB-5,08	Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 26 - 12, width: 5.1 mm, color: gray
3002102	UK 3-MVSTB-5,08-LA 24RD	Modular terminal block with plug entry, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 1, mounting: mounting rail, with red light indicator, voltage light indicator: 24 V AC/DC, current light indicator: 3.3 mA
3002063	UK 3-MVSTB-5,08/EK	Modular terminal blocks with plug entry, cross section: 0.2-2.5 mm <sup>2</sup> , AWG: 26-12, width: 5.1 mm, color: blue
3002131	UK 3D-MSTBV-5,08	Modular terminal blocks with vertical plug entry, cross section: 0.2 - 2.5 mm, AWG: 30 - 12, width: 5.1 mm, color: gray
3002144	UK 3D-MSTBV-5,08-LA 24RD	Modular terminal block with vertical plug entry, color: Gray, with red light indicator, voltage light indicator: 24 V AC/DC, current light indicator: 3.3 mA
3002173	UK 3D-MSTBV-5,08/EK	Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 30 - 12, width: 5.1 mm, color: blue
2770888	UKK 3-MSTB-5,08	Modular terminal blocks with 2 horizontal plug entries, cross section: 0.2 - 2.5 mm, AWG: 30 - 12, width: 5.1 mm, color: gray
1876615	UKK 3-MSTB-5,08-PE	Ground terminal block, with 2 horizontal plug entries, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 1, mounting: mounting rail.
2770846	UKK 3-MSTBVH-5,08	Modular terminal blocks with vertical and horizontal plug entry, cross section: 0.2 - 2.5 mm, AWG: 30 - 12, width: 5.1 mm, color: gray
1788143	UMSTBVK 2,5/ 5-G-5,08	Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 5, mounting: Mounting rail
1873016	ZFKK 1,5-MSTBV-5,08	Modular terminal blocks with plug entry, cross section: 0.2 - 1.5 mm <sup>2</sup> , width: 5.1 mm, color: gray

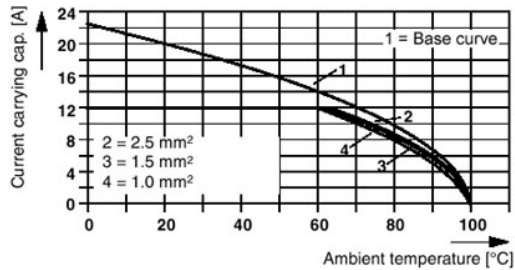
Drawings

Diagram

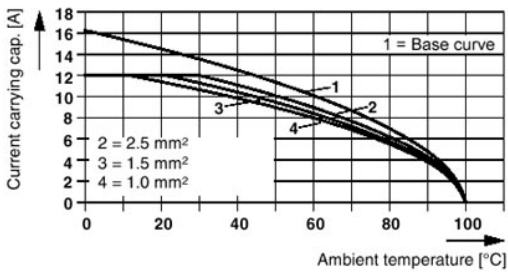
Plug: FKIC 2,5/5-ST(F)(-5,08)  
 Header: MSTB 2,5/5-ST(F)(-5,08)



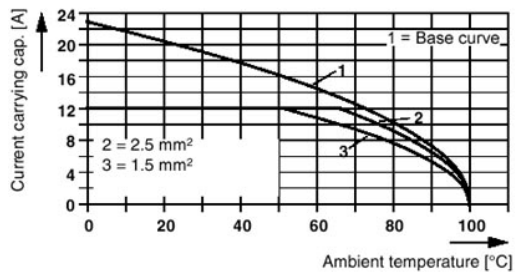
Plug: MSTB 2,5/5-ST(F)(-5,08)  
 Header: SMSTB(A) 2,5/5-G(-5,08)



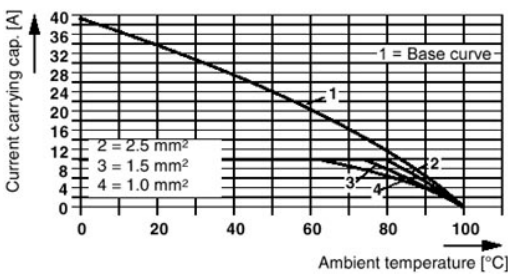
Plug: MSTB 2,5/5-ST(F)(-5,08)  
 Header: EMSTB(A) 2,5/5-G(F)(-5,08)



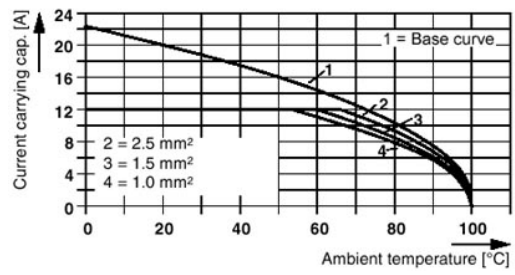
Plug: MSTB 2,5/5-ST(F)(-5,08)  
 Header: EMSTBV(A) 2,5/5-G(F)(-5,08)



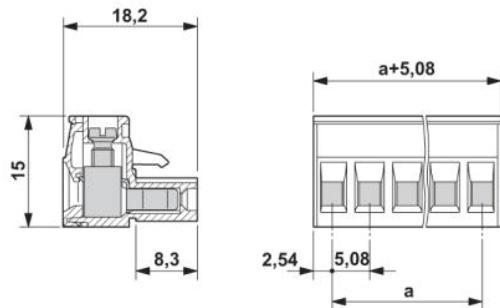
Plug: MSTB 2,5/5-ST(F)(-5,08)  
 Header: MDSTB 2,5/5-G(F)(-5,08)



Plug: MSTB 2,5/5-ST(F)(-5,08)  
 Header: MSTB(A) 2,5/5-G(F)(-5,08)



Dimensioned drawing



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