

## MSTBT 2,5/10-ST-5,08

Order No.: 1781069

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1781069>

Plug component, Nominal current: 12 A, Nom. voltage: 250 V,  
Pitch: 5.08 mm, Number of positions: 10, Connection type: Screw  
connection, Color: green

### Commercial data

EAN	4017918040994
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.01749 KG
Catalog page information	Page 200 (CC-2009)

### Product notes

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



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### Technical data

#### Dimensions / positions

Pitch	5.08 mm
Dimension a	45.72 mm
Number of positions	10
Screw thread	M3

Tightening torque, min	0.5 Nm
Tightening torque max	0.6 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.	1.5 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



Certification

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

#### CSA

Nominal voltage $U_N$	300 V
Nominal current $I_N$	10 A
AWG/kcmil	28-12

#### 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

**Accessories**

Item	Designation	Description
<b>General</b>		
1733169	EBP 2- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2
1803934	KGG-MSTB 2,5/ 2	Cable housing, Number of positions: 2, Dimension a: 10 mm, Color: green
1783779	KGS-MSTB 2,5/ 8	Cable housing, Number of positions: 8, Dimension a: 40 mm, Color: green
<b>Marking</b>		
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
<b>Plug/Adapter</b>		
1734634	CP-MSTB	Keying profile, is inserted into the slot on the plug or inverted header, red insulating material
<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

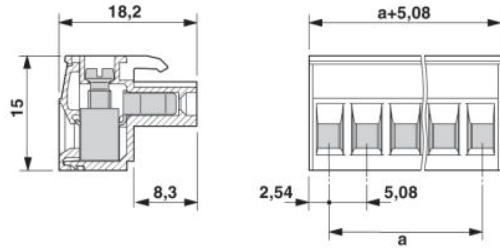
**Additional products**

Item	Designation	Description
<b>General</b>		
1899210	DFK-MSTBVA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1880384	EMSTBA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Press-in
1859593	EMSTBVA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 200 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Press-in
1873430	FKIC 2,5/10-ST-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 10, Connection type: Spring-cage conn., Color: green
1786255	IC 2,5/10-ST-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Connection type: Screw connection, Color: green

1823927	ICC 2,5/10-STZ-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Connection type: Crimp connection, Color: green
1762457	MDSTB 2,5/10-G1-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1842144	MDSTBA 2,5/10-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1762583	MDSTBV 2,5/10-G1-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1845413	MDSTBVA 2,5/10-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1759091	MSTB 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1770795	MSTB 2,5/10-G-5,08-LA	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Assembly: Soldering
1757323	MSTBA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1768024	MSTBA 2,5/10-G-5,08-LA	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Assembly: Soldering
1758092	MSTBV 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1808544	MSTBV 2,5/10-GEH-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1755817	MSTBVA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1735808	MSTBW 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1769544	SMSTB 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
1767452	SMSTBA 2,5/10-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 10, Color: green, Assembly: Soldering
2770888	UKK 3-MSTB-5,08	End cover, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: gray
1876615	UKK 3-MSTB-5,08-PE	Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow

## Diagrams/Drawings

Dimensioned drawing



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