

## FRONT-MSTB 2,5/ 3-ST-5,08

Order No.: 1777293

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1777293>

Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch:  
5.08 mm, Number of positions: 3, Connection type: Screw connection,  
Color: green

### Commercial data

EAN	4017918039448
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.009225 KG
Catalog page information	Page 204 (CC-2009)

### Product notes

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



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### Technical data

#### Dimensions / positions

Pitch	5.08 mm
Dimension a	10.16 mm
Number of positions	3
Screw thread	M2,5

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
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



Certification

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

#### 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

### 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	Cross connector/bridge, Number of positions: 2, Color: gray
2303158	EBL 3- 5	Cross connector/bridge, Number of positions: 3, Color: gray

**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	Keying 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**

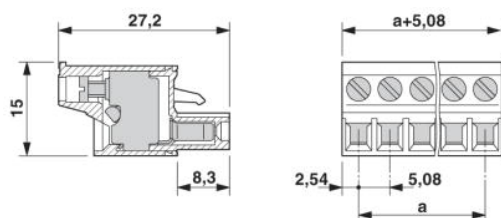
Item	Designation	Description
<b>General</b>		
1880313	EMSTBA 2,5/ 3-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Press-in
1859522	EMSTBVA 2,5/ 3-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 200 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Press-in
1873362	FKIC 2,5/ 3-ST-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 3, Connection type: Spring-cage conn., Color: green
1823859	ICC 2,5/ 3-STZ-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Connection type: Crimp connection, Color: green
1762075	MDSTB 2,5/ 3-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1762376	MDSTB 2,5/ 3-G1-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering

1842076	MDSTBA 2,5/ 3-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1763087	MDSTBV 2,5/ 3-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1736742	MDSTBV 2,5/ 3-G1-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1802414	MDSTBW 2,5/ 3-G-5,08	Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1770724	MSTB 2,5/ 3-G-5,08-LA	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Assembly: Soldering
1757255	MSTBA 2,5/ 3-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1770957	MSTBA 2,5/ 3-G-5,08-LA	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Assembly: Soldering
1788732	MSTBVK 2,5/ 3-G-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 3, Connection type: Screw connection, Assembly: DIN rail, Color: green
1788541	MVSTBU 2,5/ 3-GB-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 3, Connection type: Screw connection, Assembly: Direct mounting, Color: green
1769476	SMSTB 2,5/ 3-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
1767384	SMSTBA 2,5/ 3-G-5,08	Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 3, Color: green, Assembly: Soldering
3002034	UK 3-MSTB-5,08	Feed-through modular terminal block, Type of connection: Special and hybrid connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5
3002076	UK 3-MVSTB-5,08	Feed-through modular terminal block, 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 32, NS 35/15, NS 35/7,5, Pitch: 5.08 mm, Width: 5.1, Color: gray
3002102	UK 3-MVSTB-5,08-LA 24RD	Feed-through modular terminal block, 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 32, NS 35/15, NS 35/7,5, Pitch: 5.08 mm, Width: 5.08, Color: gray
3002063	UK 3-MVSTB-5,08/EK	Feed-through modular terminal block, 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: 5.1, Color: blue
3002131	UK 3D-MSTBV-5,08	Feed-through modular terminal block, Type of connection: Special and hybrid connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5

3002144	UK 3D-MSTBV-5,08-LA 24RD	Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.1 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5
3002173	UK 3D-MSTBV-5,08/EK	Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.1 mm, Color: blue, Mounting type: NS 32, NS 35/15, NS 35/7,5
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
2770846	UKK 3-MSTBVH-5,08	Feed-through modular terminal block, 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
1788127	UMSTBVK 2,5/ 3-G-5,08	Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 3, Connection type: Screw connection, Assembly: DIN rail, Color: green
1873016	ZFKK 1,5-MSTBV-5,08	Feed-through modular terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section: 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> , Width: 5.1 mm, Color: gray

## Diagrams/Drawings

### Dimensioned drawing



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