

## TMSTBP 2,5/ 7-ST-5,08

Order No.: 1853065

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1853065>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, The plug allows conductors to be looped through from module to module.

### Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	E111
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 205 (CC-2009)

### Product notes

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

<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	5.08 mm
Dimension a	30.48 mm
Number of positions	7

Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

#### Technical data

Range of articles	TMSTBP 2,5/..-ST
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
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	12 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

#### 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>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

### Certificates / Approvals



Certification

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

### Accessories

Item	Designation	Description
<b>Bridges</b>		
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

**General**

1733169	EBP 2- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2
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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
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
0805085	SK 5,08/3,8: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
0805412	SK 5,08/3,8:UNBEDRUCKT	Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN

**Tools**

1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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**Additional products**

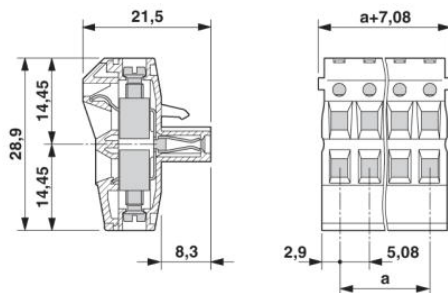
Item	Designation	Description
<b>General</b>		
1872512	A-MSTBVA 2,5/ 7-G-5,08	Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 7, Pitch: 5.08 mm, Color: green
0707293	DFK-MSTB 2,5/ 7-G-5,08	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST-5,08 and MSTBT 2,5/...ST-5,08.
1898884	DFK-MSTBA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1899184	DFK-MSTBVA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1880355	EMSTBA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in
1859564	EMSTBVA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in

1873401	FKIC 2,5/ 7-ST-5,08	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn
1786226	IC 2,5/ 7-ST-5,08	Plug component, Nominal current: 12 A, Rated voltage (III/2): 400 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn
1823891	ICC 2,5/ 7-STZ-5,08	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding male crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte
1762428	MDSTB 2,5/ 7-G1-5,08	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!
1842115	MDSTBA 2,5/ 7-G-5,08	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!
1762554	MDSTBV 2,5/ 7-G1-5,08	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!
1845387	MDSTBVA 2,5/ 7-G-5,08	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!
1759062	MSTB 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1770766	MSTB 2,5/ 7-G-5,08-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1757297	MSTBA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering

1902796	MSTBA 2,5/ 7-G-5,08 THT	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: black, Metal surface: Sn, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <a href="http://www.combicon.com">http://www.combicon.com</a>
1770999	MSTBA 2,5/ 7-G-5,08-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1850482	MSTBO 2,5/ 7-GL-5,08	Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1847152	MSTBO 2,5/ 7-GR-5,08	Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1758063	MSTBV 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1755781	MSTBVA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1902864	MSTBVA 2,5/ 7-G-5,08 THT	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: black, Metal surface: Sn, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <a href="http://www.combicon.com">http://www.combicon.com</a>
1735837	MSTBW 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1769515	SMSTB 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1767423	SMSTBA 2,5/ 7-G-5,08	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering

## Diagrams/Drawings

### Dimensioned drawing



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