

## MSTBP 2,5/ 2-ST


Order No.: 1765771

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1765771>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Screw connection, Color: Green

### Commercial data

GTIN (EAN)	
sales group	E111
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 237 (CC-2011)

### Product notes

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



<http://www.download.phoenixcontact.com>  
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### Technical data

#### Dimensions / positions

Pitch	5 mm
Dimension a	5 mm
Number of positions	2
Screw thread	M3

Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

**Technical data**

Range of articles	MSTBP 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 (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
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

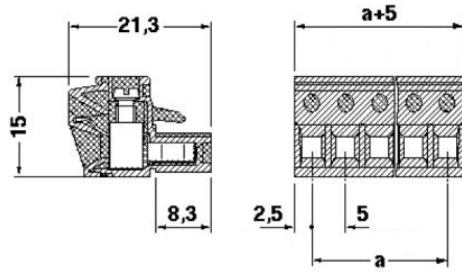
Item	Designation	Description
<b>Plug/Adapter</b>		
0201702	MPS-IH GN	Insulating sleeve, Color: green
0201676	MPS-IH RD	Insulating sleeve, Color: red
0201715	MPS-IH VT	Insulating sleeve, Color: violet
0201744	MPS-MT	Test plugs
0201647	RPS	Reducing plug, Color: gray

**Additional products**

Item	Designation	Description
<b>General</b>		
0707109	DFK-MSTB 2,5/ 2-G	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Connection method: Solder/Slip-on connection, Color: Green, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.
1899841	EMSTBA 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Press-in
1914852	EMSTBVA 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Press-in
1846519	MDSTBA 2,5/ 2-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, 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!
1845785	MDSTBVA 2,5/ 2-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, 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!
1754436	MSTB 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering
1757475	MSTBA 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering
1755516	MSTBVA 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering
1736111	MSTBW 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering
1769230	SMSTB 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering
1769803	SMSTBA 2,5/ 2-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: Green, Assembly: Soldering

**Diagrams/Drawings**

Dimensioned drawing



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