

MSTB 2,5/ 3-ST

Order No.: 1754465

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=1754465>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Commercial data

EAN	 4 017918 028633
Pack	50
Customs tariff	85366990
Gross weight in pieces	5.26 g
Country of Origin	DE
Catalog page information	Page 236 (CC-2011)

Product notes

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



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 at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	10 mm
Number of positions	3
Screw thread	M3
Tightening torque, min	0.5 Nm

Tightening torque max	0.6 Nm
-----------------------	--------

Technical data

Range of articles	MSTB 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 ²
Maximum load current	12 A (with 2.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	15 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	15 A

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
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 ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Certificates



Certification

CSA, cULus Recognized, GOST, VDE Gutachten mit
 Fertigungsüberwachung, IECEE CB Scheme

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
Bridges		
1733172	EBP 3- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 3
General		
1733169	EBP 2- 5	Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

1803947	KGG-MSTB 2,5/ 3	Cable housing, Pitch: 0 mm, Number of positions: 3, Dimension a: 15 mm, Color: green
---------	-----------------	--

Marking

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0804183	SK 5/3,8:FORTL.ZAHLEN	Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm
0805072	SK 5/3,8:SO	Marker cards, white, Mounting type: Adhesive, For terminal block width: 5 mm
0805409	SK 5/3,8:UNBEDRUCKT	Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5 mm

Plug/Adapter

1734634	CP-MSTB	Coding profile, is inserted into the slot on the plug or inverted header, red insulating material
---------	---------	---

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
---------	-------------	--

Additional products

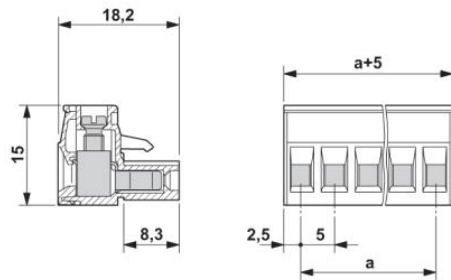
Item	Designation	Description
General		
0707112	DFK-MSTB 2,5/ 3-G	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.
1899854	EMSTBA 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in
1914865	EMSTBVA 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in
1762059	MDSTB 2,5/ 3-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering, Can be aligned! Mounting flange: Order no. 1736771, 1736768. In combination with MVSTB or FKCV plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!

1736687	MDSTB 2,5/ 3-G1	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, 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!
1846522	MDSTBA 2,5/ 3-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, 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!
1763045	MDSTBV 2,5/ 3-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. 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!
1736726	MDSTBV 2,5/ 3-G1	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, 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!
1845798	MDSTBVA 2,5/ 3-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, 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!
1802427	MDSTBW 2,5/ 3-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, 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!
1754452	MSTB 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1768192	MSTB 2,5/ 3-G-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1757488	MSTBA 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

1770494	MSTBA 2,5/ 3-G-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1753453	MSTBV 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1755529	MSTBVA 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1736108	MSTBW 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1769243	SMSTB 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1769816	SMSTBA 2,5/ 3-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Drawings

Dimensioned drawing



Address

PHOENIX CONTACT Ltd
Halesfield 13
Telford / Shropshire / TF7 4PG, England
Phone 01952 681 700
Fax 01952 681 799
<http://www.phoenixcontact.co.uk>



Phoenix Contact Ltd.
Technical modifications reserved;