

# MVSTBW 2,5 HC/ 6-ST


Order No.: 1912773

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1912773>

Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Commercial data	
GTIN (EAN)	 4 017918 191481
Note	Made-to-order
sales group	E502
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 399 (CC-2011)

### 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	
<b>Dimensions / positions</b>	
Pitch	5 mm
Dimension a	25 mm
Number of positions	6
Screw thread	M3

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
<b>Technical data</b>	
Range of articles	MVSTBW 2,5 HC/...-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 $I_N$	16 A (see derating curve)
Nominal voltage $U_N$	250 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	16 A
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	250 V
Nominal current, UL/CUL Use Group B	16 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A
<b>Connection data</b>	
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, CUL, GOST, UL, VDE-PZI

#### Accessories

Item	Designation	Description
<b>Marking</b>		
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: Thermomark R, Thermomark X, Thermomark S, Mounting type: Adhesive, For terminal block width: 5 mm
0803906	SK U/3,8 WH:UNBEDRUCKT	Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive

**Plug/Adapter**

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

**Tools**

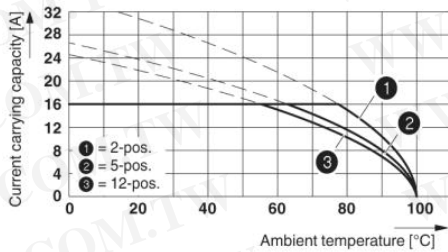
1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
---------	-------------	--

**Additional products**

Item	Designation	Description
<b>General</b>		
1923791	MSTBA 2,5 HC/ 6-G	Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering
1924237	MSTBVA 2,5 HC/ 6-G	Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

**Diagrams/Drawings**

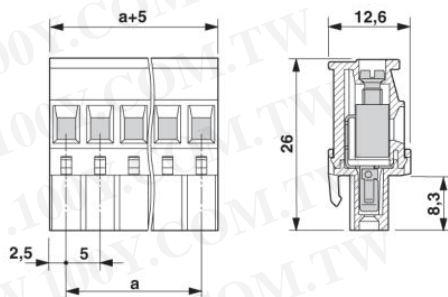
Diagram



Derating curve for: MVSTBR 2,5 HC/...-ST with MSTBVA 2,5 HC/...G

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Dimensioned drawing



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2012 Phoenix Contact  
Technical modifications reserved;

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)