

## MSTB 2,5 HC/ 3-ST

Order No.: 1911868

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1911868>

Plug component, Nominal current: 16 A, Nom. voltage: 250 V, Pitch:  
5 mm, Number of positions: 3, Connection type: Screw connection,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918191016      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.00543 KG         |
| Catalog page information | Page 348 (CC-2009) |

### Product notes

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



[http://  
www.download.phoenixcontact.com](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 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

|                                    |                           |
|------------------------------------|---------------------------|
| 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 acc. to UL 94 | V0                        |
| Internal cylindrical gage          | A3                        |
| Stripping length                   | 7 mm                      |

#### 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>  |

#### Certificates / Approvals



Certification

CB, CUL, GOST, UL, VDE-PZI

#### 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>General</b> |                 |                                                                                                       |
| 1733169        | EBP 2- 5        | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2 |
| 1803934        | KGG-MSTB 2,5/ 2 | Cable housing, Number of positions: 2, Dimension a: 10 mm, Color: green                               |
| 1783779        | KGS-MSTB 2,5/ 8 | Cable housing, Number of positions: 8, Dimension a: 40 mm, Color: green                               |

#### Marking

|         |                       |                                                                                                                                                     |
|---------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 0804183 | SK 5/3,8: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 |
|---------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

#### Plug/Adapter

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

#### Tools

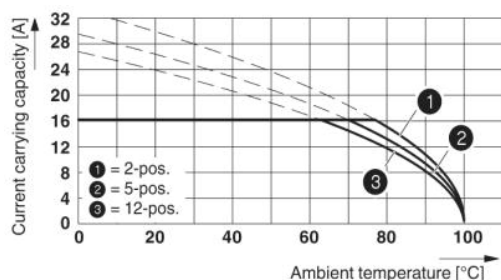
|         |             |                                                                                                                                                      |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | 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 |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Additional products

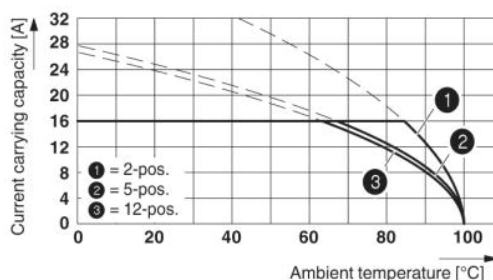
| Item           | Designation        | Description                                                                                                                |
|----------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                    |                                                                                                                            |
| 1923762        | MSTBA 2,5 HC/ 3-G  | Header, Nominal current: 16 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 3, Color: green, Assembly: Soldering |
| 1924208        | MSTBVA 2,5 HC/ 3-G | Header, Nominal current: 16 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 3, Color: green, Assembly: Soldering |

#### Diagrams/Drawings

##### Diagram



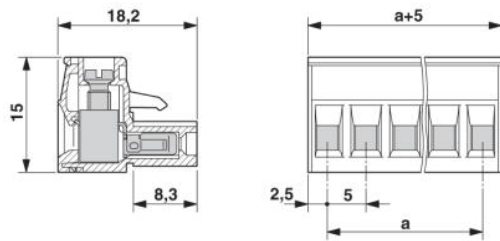
Derating curve for: MSTB 2,5 HC/...-ST with MSTBA 2,5 HC/...-G



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

Dimensioned drawing

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