

# Printed-circuit board connector - MSTB 2,5 HC/ 7-STF-5,08 - 1912236

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Why buy this product

- Available as a T version (MSTBT 2,5 HC)
- CP-MSTB coding profiles as protection against mismatching
- The double steel spring provides additional safety, especially in the event of temperature and power fluctuations
- The "High Current" (HC) versions transmit a current of 16 A



## Key Commercial Data

|              |                 |
|--------------|-----------------|
| Packing unit | 50 STK          |
| GTIN         | 4 017918 191382 |

## Technical data

### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 30.48 mm |

### General

|                             |                    |
|-----------------------------|--------------------|
| Range of articles           | MSTB 2,5 HC/...STF |
| 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/3)       | 250 V              |
| Rated voltage (III/2)       | 320 V              |
| Rated voltage (II/2)        | 630 V              |

# Printed-circuit board connector - MSTB 2,5 HC/ 7-STF-5,08 - 1912236

## Technical data

### General

|  |                           |
|--|---------------------------|
| Connection in acc. with standard       | EN-VDE                    |
| Nominal current I <sub>N</sub>         | 16 A (see derating curve) |
| Nominal cross section                  | 2.5 mm <sup>2</sup>       |
| Maximum load current                   | 16 A                      |
| Insulating material                    | PA                        |
| Flammability rating according to UL 94 | V0                        |
| Internal cylindrical gage              | A3                        |
| Stripping length                       | 7 mm                      |
| Number of positions                    | 7                         |
| Screw thread                           | M3                        |
| Tightening torque, min                 | 0.5 Nm                    |
| Tightening torque max                  | 0.6 Nm                    |

### 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 flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG 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                   |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CUL    |

# Printed-circuit board connector - MSTB 2,5 HC/ 7-STF-5,08 - 1912236

## Technical data

### Standards and Regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

## Approvals

### Approvals

---

#### Approvals

VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / EAC / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

# Printed-circuit board connector - MSTB 2,5 HC/ 7-STF-5,08 - 1912236

## Approvals

|   |         |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung |         |
| mm <sup>2</sup> /AWG/kcmil              | 0.2-2.5 |
| Nominal current I <sub>N</sub>          | 16 A    |
| Nominal voltage U <sub>N</sub>          | 250 V   |

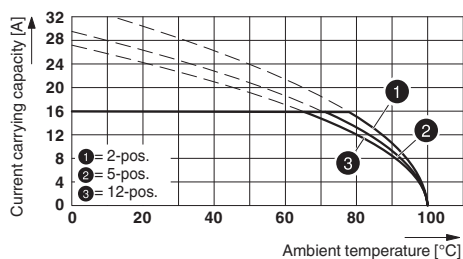
|                                |         |
|--------------------------------|---------|
| IECEE CB Scheme                |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 16 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

|     |
|-----|
| EAC |
|-----|

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 16 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

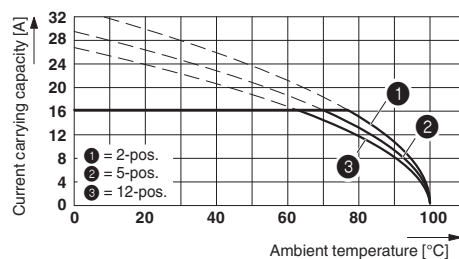
## Drawings

Diagram



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

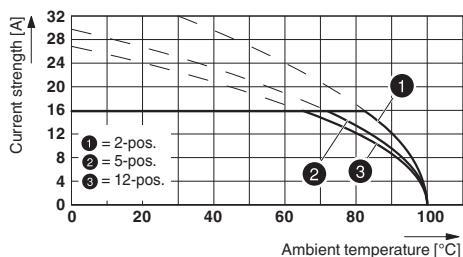
Diagram



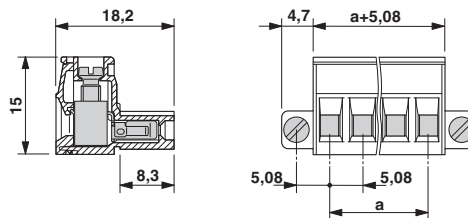
Derating curve for: MSTB 2,5 HC/...-ST with MSTBA 2,5 HC/...-G

# Printed-circuit board connector - MSTB 2,5 HC/ 7-STF-5,08 - 1912236

Diagram



Dimensional drawing



Derating curve for: MSTB 2,5 HC/..-STF-5,08 with CCV 2,5/..-GF-5,08 P26THR

Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>