

## Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

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: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- ✓ With front screw connection
- ✓ Plug-in direction parallel to the conductor axis
- ✓ For larger numbers of positions up to 24-pos., visit: [phoenixcontact.net/products](http://phoenixcontact.net/products)



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 pc                                                                                                   |
| GTIN                                 | <br>4 017918 039707 |
| Weight per Piece (excluding packing) | 15.36 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Width       | 35.2 mm  |
| Pitch       | 5.08 mm  |
| Dimension a | 20.32 mm |

#### General

|                             |                        |
|-----------------------------|------------------------|
| Range of articles           | FRONT-MSTB 2,5/...-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                   |

# Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

## Technical data

### General

|                                        |                     |
|----------------------------------------|---------------------|
| Rated voltage (III/3)                  | 250 V               |
| 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 cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 12 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 10 mm               |
| Number of positions                    | 5                   |
| Screw thread                           | M2,5                |
| 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.                                        | 1.5 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 mm <sup>2</sup>    |
| Minimum AWG according to UL/CUL                                                         | 30                   |

# Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 12 |
|---------------------------------|----|

## 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

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / GL / IECCEB Scheme / CCA / EAC

#### Ex Approvals

#### Approvals submitted

#### Approval details

## Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

### Approvals

| CSA  |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
|                                                                                       | B     | D     |
| mm²/AWG/kcmil                                                                         | 22-12 | 22-12 |
| Nominal current I <sub>N</sub>                                                        | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                        | 300 V | 300 V |

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

| VDE Gutachten mit Fertigungsüberwachung  |          |
|-----------------------------------------------------------------------------------------------------------------------------|----------|
|                                                                                                                             |          |
| mm²/AWG/kcmil                                                                                                               | 0.34-2.5 |
| Nominal current I <sub>N</sub>                                                                                              | 12 A     |
| Nominal voltage U <sub>N</sub>                                                                                              | 250 V    |

| GL                             |       |
|--------------------------------|-------|
|                                |       |
| mm²/AWG/kcmil                  | 2,5   |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 250 V |

| IECEE CB Scheme  |          |
|-----------------------------------------------------------------------------------------------------|----------|
|                                                                                                     |          |
| mm²/AWG/kcmil                                                                                       | 0.34-2.5 |
| Nominal current I <sub>N</sub>                                                                      | 12 A     |
| Nominal voltage U <sub>N</sub>                                                                      | 250 V    |

## Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

### Approvals

|                                |          |
|--------------------------------|----------|
| CCA                            |          |
| mm²/AWG/kcmil                  | 0.34-2.5 |
| Nominal current I <sub>N</sub> | 12 A     |
| Nominal voltage U <sub>N</sub> | 250 V    |

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

### Accessories

#### Accessories

#### Coding element

Coding profile - CP-MSTB - 1734634



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

#### Insertion bridge

Insertion bridge - EBL 2- 5 - 2303145



Insertion bridge, Number of positions: 2, Color: gray

Insertion bridge - EBL 3- 5 - 2303158



Insertion bridge, Number of positions: 3, Color: gray

## Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

### Accessories

Insertion bridge - EBL 4- 5 - 2303161



Insertion bridge, Number of positions: 4, Color: gray

Insertion bridge - EBL 5- 5 - 2303174



Insertion bridge, Number of positions: 5, Color: gray

### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

### Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

## Printed-circuit board connector - FRONT-MSTB 2,5/ 5-STF-5,08 - 1777837

### Accessories

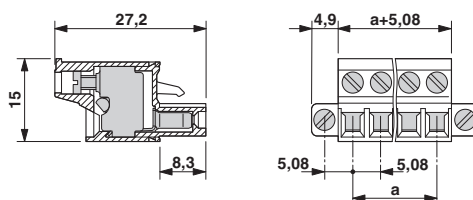
Accessories - FRONT-MSTB-EW - 1763058



Removal aid, for FRONT-MSTB, facilitates extraction of several plugs mounted behind each other

### Drawings

Dimensional drawing



Diagram

