

## MSTB 2,5/ 3-STF-5,08

Order No.: 1777992

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1777992>

Plug component, nominal current: 12 A, rated voltage: 250 V, pitch:  
5.08 mm, no. of positions: 3, type of connection: Screw connection

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918039868      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.0063 KG          |
| Catalog page information | Page 175 (CC-2007) |

### 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  
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### Technical data

#### Dimensions / positions

|                        |          |
|------------------------|----------|
| Pitch                  | 5.08 mm  |
| Dimension a            | 10.16 mm |
| Number of positions    | 3        |
| Screw thread           | M 3      |
| Tightening torque, min | 0.5 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 $I_N$              | 12 A                                                    |
| Nominal voltage $U_N$              | 250 V                                                   |
| Nominal cross section              | 2.5 mm <sup>2</sup>                                     |
| Maximum load current               | 12 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| 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

Approval logo



#### CSA

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 28-12 |

#### 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                                   |
| Certification                  | CB, CSA, CUL, GL, GOST, RS, UL, VDE-PZI |

#### 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 |
|---------|----------|-------------------------------------------------------------------------------------------------------|

#### Marking

|         |                          |                                                                                                                                                                                           |
|---------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1051993 | B-STIFT                  | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                                               |
| 0804293 | SK 5,08/3,8: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                                       |
| 0805085 | SK 5,08/3,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white               |
| 0803906 | SK U/3,8 WH:UNBEDRUCKT   | Unprinted marker cards, DIN A4 format, pitch as desired, self-adhesive, with 40 stamped marker strips, 185 mm strip length, can be labeled with the CMS system or manually with the M-PEN |
| 0811228 | X-PEN 0,35               | Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 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 | 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 |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

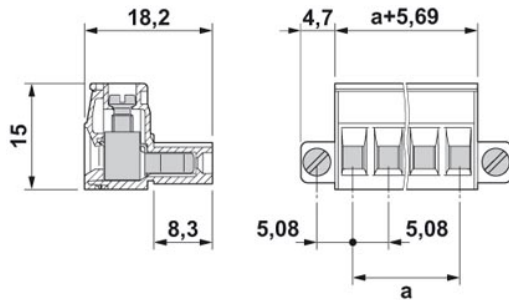
#### Additional products

| Item           | Designation            | Description                                                                                                                  |
|----------------|------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                        |                                                                                                                              |
| 1762075        | MDSTB 2,5/ 3-G-5,08    | Header, nominal current: 10 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 3, mounting: Soldering                |
| 1788965        | MSTBVK 2,5/ 3-GF-5,08  | Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 3, mounting: Mounting rail            |
| 1788350        | MVSTBU 2,5/ 3-GFB-5,08 | Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 3, mounting: Direct mounting          |
| 3002034        | UK 3-MSTB-5,08         | Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 30 - 12, width: 5.1 mm, color: gray |
| 3002076        | UK 3-MVSTB-5,08        | Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 26 - 12, width: 5.1 mm, color: gray |

|         |                          |                                                                                                                                                                                                                                                   |
|---------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3002102 | UK 3-MVSTB-5,08-LA 24RD  | Modular terminal block with plug entry, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 1, mounting: mounting rail, with red light indicator, voltage light indicator: 24 V AC/DC, current light indicator: 3.3 mA |
| 3002063 | UK 3-MVSTB-5,08/EK       | Modular terminal blocks with plug entry, cross section: 0.2-2.5 mm <sup>2</sup> , AWG: 26-12, width: 5.1 mm, color: blue                                                                                                                          |
| 3002131 | UK 3D-MSTBV-5,08         | Modular terminal blocks with vertical plug entry, cross section: 0.2 - 2.5 mm, AWG: 30 - 12, width: 5.1 mm, color: gray                                                                                                                           |
| 3002144 | UK 3D-MSTBV-5,08-LA 24RD | Modular terminal block with vertical plug entry, color: Gray, with red light indicator, voltage light indicator: 24 V AC/DC, current light indicator: 3.3 mA                                                                                      |
| 3002173 | UK 3D-MSTBV-5,08/EK      | Modular terminal blocks with plug entry, cross section: 0.2 - 2.5 mm <sup>2</sup> , AWG: 30 - 12, width: 5.1 mm, color: blue                                                                                                                      |
| 2770888 | UKK 3-MSTB-5,08          | Modular terminal blocks with 2 horizontal plug entries, cross section: 0.2 - 2.5 mm, AWG: 30 - 12, width: 5.1 mm, color: gray                                                                                                                     |
| 1876615 | UKK 3-MSTB-5,08-PE       | Ground terminal block, with 2 horizontal plug entries, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 1, mounting: mounting rail.                                                                                 |
| 1787937 | UMSTBVK 2,5/ 3-GF-5,08   | Header, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 3, mounting: Mounting rail                                                                                                                                 |
| 1873016 | ZFKK 1,5-MSTBV-5,08      | Modular terminal blocks with plug entry, cross section: 0.2 - 1.5 mm <sup>2</sup> , width: 5.1 mm, color: gray                                                                                                                                    |

## Drawings

### Dimensioned drawing



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