

## MSTB 2,5/ 7-ST

Order No.: 1754546

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1754546>

Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch:  
5 mm, Number of positions: 7, Connection type: Screw connection,  
Color: green

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918028718      |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.011949 KG        |
| Catalog page information | Page 198 (CC-2009) |

### Product notes

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



<http://www.download.phoenixcontact.com>  
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### Technical data

#### Dimensions / positions

|                     |       |
|---------------------|-------|
| Pitch               | 5 mm  |
| Dimension a         | 30 mm |
| Number of positions | 7     |
| 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 $I_N$              | 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



Certification

CB, CSA, CUL, GOST, UL, VDE-PZI

#### 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 |

#### 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                                                |
| 1803918             | KGG-MSTB 2,5/ 7          | Cable housing, Number of positions: 7, Dimension a: 35 mm, Color: green                                                                              |
| <b>Marking</b>      |                          |                                                                                                                                                      |
| 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  |
| <b>Plug/Adapter</b> |                          |                                                                                                                                                      |
| 1734634             | CP-MSTB                  | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material                                                    |
| <b>Tools</b>        |                          |                                                                                                                                                      |
| 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 |

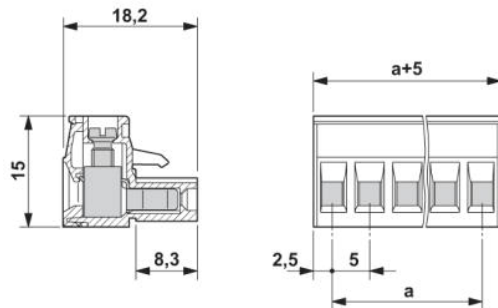
#### Additional products

| Item           | Designation       | Description                                                                                                                                                   |
|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                   |                                                                                                                                                               |
| 0707154        | DFK-MSTB 2,5/ 7-G | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Nom. voltage: 320 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Direct mounting |
| 1899896        | EMSTBA 2,5/ 7-G   | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Assembly: Press-in                                                   |
| 1914904        | EMSTBVA 2,5/ 7-G  | Header, Nominal current: 12 A, Nom. voltage: 200 V, Pitch: 5 mm, Number of positions: 7, Assembly: Press-in                                                   |
| 1762745        | MDSTB 2,5/ 7-G1   | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering                                    |
| 1846564        | MDSTBA 2,5/ 7-G   | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Assembly: Soldering                                                  |
| 1762897        | MDSTBV 2,5/ 7-G1  | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering                                    |
| 1845837        | MDSTBVA 2,5/ 7-G  | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Assembly: Soldering                                                  |

|         |                   |                                                                                                                            |
|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1754533 | MSTB 2,5/ 7-G     | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1768231 | MSTB 2,5/ 7-G-LA  | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Assembly: Soldering               |
| 1755493 | MSTBA 2,5/ 7-G    | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1770533 | MSTBA 2,5/ 7-G-LA | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Assembly: Soldering               |
| 1753534 | MSTBV 2,5/ 7-G    | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1755561 | MSTBVA 2,5/ 7-G   | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1736069 | MSTBW 2,5/ 7-G    | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1769285 | SMSTB 2,5/ 7-G    | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |
| 1769858 | SMSTBA 2,5/ 7-G   | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 7, Color: green, Assembly: Soldering |

#### Diagrams/Drawings

Dimensioned drawing



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