Extract from the online catalog

# MSTBT 2,5/ 4-ST-5,08

Order No.: 1780002

The figure shows a 10-position version of the product



http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1780002

Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Connection type: Screw connection, Color: green

| Commercial data | |
|---|---|
| EAN | 4017918040697 |
| Pack | 50 pcs. |
| Customs tariff | 85366990 |
| Weight/Piece | 0.007034 KG |
| Catalog page information | Page 200 (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 | 5.08 mm |
| Dimension a | 15.24 mm |
| Number of positions | 4 |
| 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 mm² |
| Maximum load current | 12 A (with 2.5 $mm^2$ 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 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 1.5 mm² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm² |
| 2 conductors with same cross section, solid max. | 1 mm² |

| | |
|---|---|
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 1.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm² |

## Certificates / Approvals

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

**CSA**

| | |
|---|---|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A |
| AWG/kcmil | 28-12 |

**CUL**

| | |
|---|---|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A |
| AWG/kcmil | 30-12 |

**UL**

| | |
|---|---|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A |
| AWG/kcmil | 30-12 |

## Accessories

| Item | Designation | Description |
|---|---|---|
| **General** | | |
| 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** | | |
| 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 |
| **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 mm² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |

## Additional products

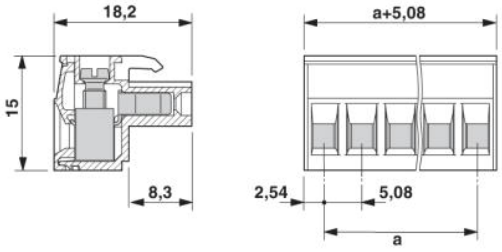
| Item | Designation | Description |
|---|---|---|
| **General** | | |
| 1872486 | A-MSTBVA 2,5/ 4-G-5,08 | Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 4, Pitch: 5.08 mm, Color: green |
| 1899155 | DFK-MSTBVA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1880326 | EMSTBA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Press-in |
| 1859535 | EMSTBVA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 200 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Press-in |
| 1873375 | FKIC 2,5/ 4-ST-5,08 | Plug component, Nominal current: 12 A, Nom. voltage: 320 V, Pitch: 5.08 mm, Number of positions: 4, Connection type: Spring-cage conn., Color: green |

| | | |
|---|---|---|
| 1786190 | IC 2,5/ 4-ST-5,08 | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Connection type: Screw connection, Color: green |
| 1823862 | ICC 2,5/ 4-STZ-5,08 | Plug component, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Connection type: Crimp connection, Color: green |
| 1736713 | MDSTB 2,5/ 4-G1-5,08 | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1842089 | MDSTBA 2,5/ 4-G-5,08 | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1736755 | MDSTBV 2,5/ 4-G1-5,08 | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1845358 | MDSTBVA 2,5/ 4-G-5,08 | Header, Nominal current: 10 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1759033 | MSTB 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1770737 | MSTB 2,5/ 4-G-5,08-LA | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Assembly: Soldering |
| 1757268 | MSTBA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1902767 | MSTBA 2,5/ 4-G-5,08 THT | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: black, Assembly: SMD/THT/ THR |
| 1770960 | MSTBA 2,5/ 4-G-5,08-LA | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Assembly: Soldering |
| 1847123 | MSTBO 2,5/ 4-GR-5,08 | Header, Nominal current: 8 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1758034 | MSTBV 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1755752 | MSTBVA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1902835 | MSTBVA 2,5/ 4-G-5,08 THT | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: black, Assembly: SMD/THT/ THR |
| 1735866 | MSTBW 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1769489 | SMSTB 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 1767397 | SMSTBA 2,5/ 4-G-5,08 | Header, Nominal current: 12 A, Nom. voltage: 250 V, Pitch: 5.08 mm, Number of positions: 4, Color: green, Assembly: Soldering |
| 2770888 | UKK 3-MSTB-5,08 | End cover, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: gray |

| | | |
|---|---|---|
| 1876615 | UKK 3-MSTB-5,08-PE | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow |
| 1873016 | ZFKK 1,5-MSTBV-5,08 | Feed-through modular terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section: 0.2 mm² - 2.5 mm², Width: 5.1 mm, Color: gray |

## Diagrams/Drawings

Dimensioned drawing



## Address

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