

## MSTBHK 2,5/10-G-5,08

Order No.: 1765030

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1765030>Header, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm,  
no. of positions: 10, mounting: Mounting rail

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918031763      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.01937 KG         |
| Catalog page information | Page 258 (CC-2007) |

### Product notes

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

<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 General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                        |         |
|------------------------|---------|
| Pitch                  | 5.08 mm |
| Number of positions    | 10      |
| 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> |
| Insulating material                | PA                  |
| Inflammability class acc. to UL 94 | V2                  |
| 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.            | 1.5 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>  |
| 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> |
| Conductor cross section AWG/kcmil min.  | 24                  |
| Conductor cross section AWG/kcmil max   | 12                  |

**Certificates / Approvals**



**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, UL, VDE-PZI |

**Accessories**

| Item            | Designation      | Description  |
|-----------------|------------------|--|
| <b>Assembly</b> |                  |  |
| 1401637         | E/MBK            | End bracket, width: 6.2 mm, color: gray  |
| 1755477         | MSTB-BL          | Keying cap, for forming sections, plugs onto header pin, green insulating material |
| 5030185         | MSTBHK 2,5/ 2 AH | Lock, prevents MSTB plug being pulled out unintentionally, color: green            |

|         |                     |  |
|---------|---------------------|--|
| 1401682 | NS 15 PERF 2000MM   | DIN rail, material: steel, perforated, height 5.5 mm, width 15 mm, length: 2 m   |
| 1401695 | NS 15 UNPERF 2000MM | DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m |

#### 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

|         |         |  |
|---------|---------|--|
| 1734401 | CR-MSTB | Coding section, inserted into the recess in the header or the inverted plug, 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 |
|---------|-------------|--|

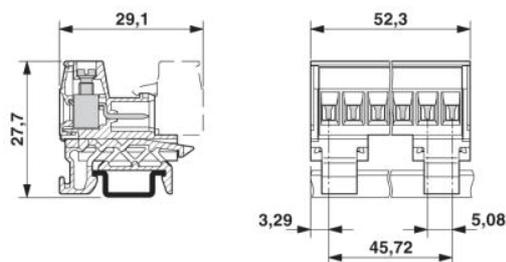
#### Additional products

| Item           | Designation               | Description   |
|----------------|---------------------------|---|
| <b>General</b> |                           |   |
| 1873139        | FKC 2,5/10-ST-5,08        | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Spring-cage connection |
| 1874031        | FKCVR 2,5/10-ST-5,08      | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Spring-cage connection |
| 1777361        | FRONT-MSTB 2,5/10-ST-5,08 | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection       |
| 1757093        | MSTB 2,5/10-ST-5,08       | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection       |
| 1764303        | MSTB 2,5/10-STZ-5,08      | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection       |
| 1808890        | MSTBC 2,5/10-ST-5,08      | Plug component, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Crimp connection       |
| 1809585        | MSTBC 2,5/10-STZ-5,08     | Plug component, nominal current: 12 A, rated voltage: 320 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Crimp connection       |

|         |                       |   |
|---------|-----------------------|---|
| 1769094 | MSTBP 2,5/10-ST-5,08  | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection                   |
| 1792320 | MVSTBR 2,5/10-ST-5,08 | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection                   |
| 1792838 | MVSTBW 2,5/10-ST-5,08 | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection                   |
| 1883336 | QC 1/10-ST-5,08       | Plug, nominal current: 10 A, rated voltage: 500 V, pitch: 5.08 mm, number of positions: 10, connection method: Insulation displacement connection QUICKON |
| 1826364 | SMSTB 2,5/10-ST-5,08  | Plug component, nominal current: 12 A, rated voltage: 250 V, pitch: 5.08 mm, no. of positions: 10, type of connection: Screw connection                   |

**Drawings**

Dimensioned drawing



**Address**

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