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The figure shows a 10-position

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

### Why buy this product

version of the product

Versions with and without threaded flange

MSTBHK 2,5 with foot element for mounting on 15 x 5 mm DIN rails (NS 15) according to EN 60715-TH15



### Key commercial data

| Packing unit                         | 50 pc               |
|--------------------------------------|---------------------|
| GTIN                                 | 4 017918 031770     |
| Weight per Piece (excluding packing) | 19.31 g             |
| Weight per piece (including packing) | 19.652 g            |
| Custom tariff number                 | 85366990            |
| Country of origin                    | Germany             |
| Sales Key                            | E1 - PCB Connection |

### Technical data

#### **Dimensions**

| Length      | 52.3 mm |
|-------------|---------|
| Width       | 23.1 mm |
| Pitch       | 5 mm    |
| Dimension a | 45 mm   |

### General

| Range of articles           | MSTBHK 2,5/G |
|-----------------------------|--------------|
| 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         |

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### 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 <sub>N</sub>          | 12 A    |
| Nominal cross section                   | 2.5 mm² |
| Maximum load current                    | 12 A    |
| Insulating material                     | PA      |
| Inflammability class according to UL 94 | V0      |
| Internal cylindrical gage               | A3      |
| Stripping length                        | 7 mm    |
| Number of positions                     | 10      |
| Screw thread                            | M3      |
| Tightening torque, min                  | 0.5 Nm  |
| Tightening torque max                   | 0.6 Nm  |

### Connection data

| Conductor cross section solid min.  | 0.2 mm²              |
|---|----------------------|
| Conductor cross section solid max.  | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.2 mm²              |
| Conductor cross section stranded max.   | 2.5 mm <sup>2</sup>  |
| 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 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm²             |
| 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 mm²              |
| 2 conductors with same cross section, solid max.  | 1 mm²                |
| 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 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              |
| Minimum AWG according to UL/CUL   | 30                   |
|   |                      |



### 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 | 27440402 |

### **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 / cUL Recognized / IECEE CB Scheme / CCA / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details



## Approvals

| CSA 1              |       |       |
|--------------------|-------|-------|
|                    | В     | D     |
| mm²/AWG/kcmil      | 28-12 | 28-12 |
| Nominal current IN | 10 A  | 10 A  |
| Nominal voltage UN | 300 V | 300 V |

| UL Recognized <b>5</b> |       |       |
|------------------------|-------|-------|
|                        | В     | D     |
| mm²/AWG/kcmil          | 30-12 | 30-12 |
| Nominal current IN     | 12 A  | 10 A  |
| Nominal voltage UN     | 250 V | 300 V |

| VDE Gutachten mit Fertigungsüberwachung |         |  |
|---|---------|--|
|   |         |  |
| mm²/AWG/kcmil                           | 0.2-2.5 |  |
| Nominal current IN                      | 12 A    |  |
| Nominal voltage UN                      | 250 V   |  |

| cUL Recognized •••• |       |       |  |
|---------------------|-------|-------|--|
|                     | В     | D     |  |
| mm²/AWG/kcmil       | 30-12 | 30-12 |  |
| Nominal current IN  | 12 A  | 10 A  |  |
| Nominal voltage UN  | 250 V | 300 V |  |

| IECEE CB Scheme CB |         |
|--------------------|---------|
|                    |         |
| mm²/AWG/kcmil      | 0.2-2.5 |
| Nominal current IN | 12 A    |
| Nominal voltage UN | 250 V   |



### Approvals

| CCA                |         |  |
|--------------------|---------|--|
|                    |         |  |
| mm²/AWG/kcmil      | 0.2-2.5 |  |
| Nominal current IN | 12 A    |  |
| Nominal voltage UN | 250 V   |  |

cULus Recognized • Sus

### Accessories

Accessories

Coding element

Coding star - CR-MSTB - 1734401



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

### End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

### Filler plug

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green insulating material

Labeled terminal marker



### Accessories

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



Marker cards, 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

### Mounting rail

DIN rail perforated - NS 15 PERF 2000MM - 1401682



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 5.5 mm, width 15 mm, length: 2000 mm

DIN rail, unperforated - NS 15 UNPERF 2000MM - 1401695



DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m

### 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

Locking - MSTBHK 2,5/ 2 AH - 5030185



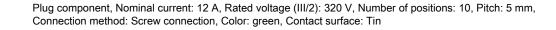
Lock, prevents MSTB plug being pulled out unintentionally, color:I green

### Additional products



### Accessories

Printed-circuit board connector - MSTB 2,5/10-ST - 1754601





Printed-circuit board connector - MSTB 2,5/10-STZ - 1759004



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MSTBP 2,5/10-ST - 1765852



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - SMSTB 2,5/10-ST - 1768833



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/10-ST - 1792090



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



### Accessories

Printed-circuit board connector - MVSTBW 2,5/10-ST - 1792605



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

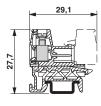
Printed-circuit board connector - FRONT-MSTB 2,5/10-ST - 1779495

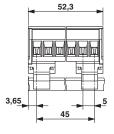


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

### **Drawings**

### Dimensioned drawing





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