

## Plug-in block - UMSTBVK 2,5/12-G-5,08 - 1788211

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin, mounting: DIN rail

The figure shows a 10-position version of the product

### Why buy this product

- Direct plug-in block with universal foot for mounting on NS 32 or NS 35 DIN rail
- Can be combined with the MSTB 2,5 range



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 STK  |
| GTIN                                 | <br>4 017918 043278 |
| GTIN                                 | 4017918043278   |
| Weight per Piece (excluding packing) | 34.340 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Width [ w ] | 42.5 mm  |
| Pitch       | 5.08 mm  |
| Dimension a | 55.88 mm |

#### General

|                           |                                      |
|---------------------------|--------------------------------------|
| Range of articles         | UMSTBVK 2,5/...-G                    |
| Type of contact           | Male connector                       |
| Number of positions       | 12                                   |
| Connection method         | Screw connection with tension sleeve |
| Insulating material group | I                                    |

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## Technical data

### General

|  |                     |
|--|---------------------|
| Rated surge voltage (III/3)            | 4 kV                |
| Rated surge voltage (III/2)            | 4 kV                |
| Rated surge voltage (II/2)             | 4 kV                |
| Rated voltage (III/3)                  | 320 V               |
| 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 cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 12 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 7 mm                |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.5 Nm              |
| Tightening torque max                  | 0.6 Nm              |

### 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 flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG 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>  |
| Minimum AWG according to UL/CUL   | 30                   |

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## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 12 |
|---------------------------------|----|

### Standards and Regulations

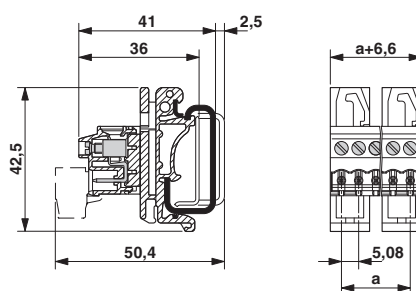
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CSA    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Dimensional drawing



## 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 | 27449001 |
| eCl@ss 8.0 | 27141106 |
| eCl@ss 9.0 | 27141106 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC001284 |
| ETIM 6.0 | EC001284 |

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## Classifications

### 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 / IECCEB Scheme / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       | 13631 |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 28-12 | 28-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|                                |       |   |              |
|--------------------------------|-------|---|--------------|
| UL Recognized                  |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                                | B     | D   |              |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12   |              |
| Nominal current I <sub>N</sub> | 12 A  | 10 A  |              |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V   |              |

|   |         |   |          |
|---|---------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |         | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40004701 |
|   |         |   |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.2-2.5 |   |          |
| Nominal current I <sub>N</sub>          | 12 A    |   |          |
| Nominal voltage U <sub>N</sub>          | 250 V   |   |          |

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## Approvals

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| cUL Recognized             |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B     | D   |              |
| mm <sup>2</sup> /AWG/kcmil | 30-12 | 30-12   |              |
| Nominal current IN         | 12 A  | 10 A  |              |
| Nominal voltage UN         | 250 V | 300 V   |              |

|                            |         |   |                |
|----------------------------|---------|---|----------------|
| IECEE CB Scheme            |         | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58978-B1B2 |
|                            |         |   |                |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |   |                |
| Nominal current IN         | 12 A    |   |                |
| Nominal voltage UN         | 250 V   |   |                |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

|                  |  |   |
|------------------|--|---|
| cULus Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> |
|------------------|--|---|

## Accessories

### Accessories

#### Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2



#### Coding element

## Plug-in block - UMSTBVK 2,5/12-G-5,08 - 1788211

### Accessories

Coding star - CR-MSTB - 1734401



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

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### Filler plug

Accessories - MSTB-BL - 1755477



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

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### Labeled terminal marker

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



Marker card, 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

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### 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

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### Additional products

Printed-circuit board connector - MSTB 2,5/12-ST-5,08 - 1757116



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

## Plug-in block - UMSTBVK 2,5/12-G-5,08 - 1788211

### Accessories

Printed-circuit board connector - MSTB 2,5/12-STZ-5,08 - 1764280



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MSTBP 2,5/12-ST-5,08 - 1769117



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - SMSTB 2,5/12-ST-5,08 - 1826380



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MVSTBR 2,5/12-ST-5,08 - 1792346



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

Printed-circuit board connector - MVSTBW 2,5/12-ST-5,08 - 1792854



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

## Plug-in block - UMSTBVK 2,5/12-G-5,08 - 1788211

### Accessories

Printed-circuit board connector - FRONT-MSTB 2,5/12-ST-5,08 - 1777387

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Front screw connection, Color: green, contact surface: Tin



Printed-circuit board connector - FKC 2,5/12-ST-5,08 - 1873155

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



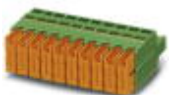
Printed-circuit board connector - FKCVR 2,5/12-ST-5,08 - 1874057

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



Printed-circuit board connector - QC 1/12-ST-5,08 - 1883705

Plug component, nominal current: 10 A, rated voltage (III/2): 630 V, number of positions: 12, pitch: 5.08 mm, connection method: Displacement connection, Color: green, contact surface: Tin



Printed-circuit board connector - MSTBC 2,5/12-ST-5,08 - 1808913

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte





## Plug-in block - UMSTBVK 2,5/12-G-5,08 - 1788211

### Accessories

Printed-circuit board connector - MSTBC 2,5/12-STZ-5,08 - 1809608

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

