

# Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

The figure shows a 10-position version of the product



## Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 1   |
| Catalog page           | Page 205 (CC-2005)  |
| GTIN                   | <br>4 017918 043391 |
| Custom tariff number   | 85366990  |
| Country of origin      | GERMANY   |

## Technical data

### Dimensions / positions

|                        |           |
|------------------------|-----------|
| Width                  | 42.5 mm   |
| Pitch                  | 5.08 mm   |
| Dimension a            | 116.84 mm |
| Number of positions    | 24        |
| Screw thread           | M3        |
| Tightening torque, min | 0.5 Nm    |
| Tightening torque max  | 0.6 Nm    |

### Technical data

|                             |                   |
|-----------------------------|-------------------|
| Range of articles           | UMSTBVK 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              |
| Rated voltage (III/2)       | 320 V             |
| Rated voltage (II/2)        | 630 V             |

## Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

### Technical data

#### Technical data

|   |                     |
|---|---------------------|
| Connection in acc. with standard        | EN-VDE              |
| Nominal current I <sub>N</sub>          | 12 A                |
| Nominal voltage U <sub>N</sub>          | 320 V               |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 12 A                |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V2                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 7 mm                |
| Nominal voltage, UL/CUL Use Group B     | 250 V               |
| Nominal current, UL/CUL Use Group B     | 12 A                |
| Nominal voltage, UL/CUL Use Group D     | 300 V               |
| Nominal current, UL/CUL Use Group D     | 10 A                |

#### 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>  |
| Minimum AWG according to UL/CUL   | 30                   |
| Maximum AWG according to UL/CUL   | 12                   |

# Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

## Classifications

### eclass

|            |          |
|------------|----------|
| 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 |

### etim

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |

### 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 report with production monitoring / cUL Recognized / GOST / IEC CB Scheme / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
|  |       |       |
|   | 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 |

# Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

## Approvals

UL Recognized

|                                | 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 report with production monitoring

|                                |         |
|--------------------------------|---------|
| 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   |

cUL Recognized

|                                | 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 |

GOST

IECEE CB Scheme

|                                |         |
|--------------------------------|---------|
| 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   |

GOST

cULus Recognized

## Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

### Accessories

Accessories

Assembly

Accessories - MSTB-BL - 1755477



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

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### Marking

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

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### Plug/Adapter

Keying star - CR-MSTB - 1734401



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

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### 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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Insertion bridge - EBP 2- 5 - 1733169



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

## Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

### Accessories

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#### Additional products

##### Printed-circuit board connector - MSTB 2,5/24-ST-5,08 - 1757239



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

##### Plug - MSTBP 2,5/24-ST-5,08 - 1769696



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

##### Printed-circuit board connector - SMSTB 2,5/24-ST-5,08 - 1850631



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

##### Printed-circuit board connector - MVSTBR 2,5/24-ST-5,08 - 1792469



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

##### Printed-circuit board connector - MVSTBW 2,5/24-ST-5,08 - 1792977



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

# Plug-in block - UMSTBVK 2,5/24-G-5,08 - 1788334

## Accessories

Plug - FRONT-MSTB 2,5/24-ST-5,08 - 1777507

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



Printed-circuit board connector - MSTBC 2,5/24-ST-5,08 - 1809035

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, 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



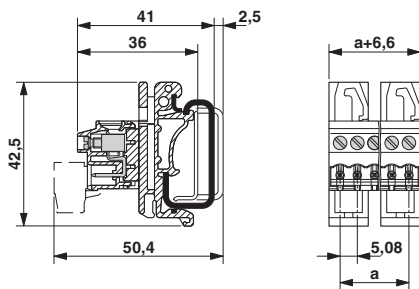
Printed-circuit board connector - MSTBC 2,5/24-STZ-5,08 - 1809721

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 24, 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



## Drawings

Dimensioned drawing



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