

## Printed-circuit board connector - MVSTBW 2,5/ 5-ST-5,08 BK - 1836891

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection, Color: Black, Contact surface: Tin

The illustration shows version  
MVSTBW 2,5/5-ST-5,08 AU

### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 50                                                                                                      |
| Minimum order quantity | 50                                                                                                      |
| GTIN                   | <br>4 017918 262716 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |          |
|------------------------|----------|
| Pitch                  | 5.08 mm  |
| Dimension a            | 20.32 mm |
| Number of positions    | 5        |
| Screw thread           | M3       |
| Tightening torque, min | 0.5 Nm   |
| Tightening torque max  | 0.6 Nm   |

#### Technical data

|                                  |                   |
|----------------------------------|-------------------|
| Range of articles                | MVSTBW 2,5/...-ST |
| 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 <sub>N</sub>   | 12 A              |
| Nominal voltage U <sub>N</sub>   | 250 V             |

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## Technical data

### Technical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 12 A                |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 7 mm                |
| Nominal voltage, UL/CUL Use Group B     | 300 V               |
| Nominal current, UL/CUL Use Group B     | 15 A                |
| Nominal voltage, UL/CUL Use Group D     | 300 V               |
| Nominal current, UL/CUL Use Group D     | 15 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                   |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |

### 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 |

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | B     | D     |
| mm²/AWG/kcmil                                                                           | 28-12 | 28-12 |
| Nominal current I <sub>N</sub>                                                          | 10 A  | 10 A  |

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## Approvals

|                    | B     | D     |
|--------------------|-------|-------|
| Nominal voltage UN | 300 V | 300 V |

UL Recognized 

|                    | B     | D     |
|--------------------|-------|-------|
| mm²/AWG/kcmil      | 30-12 | 30-12 |
| Nominal current IN | 15 A  | 10 A  |
| Nominal voltage UN | 300 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 

|                    | B     | D     |
|--------------------|-------|-------|
| mm²/AWG/kcmil      | 30-12 | 30-12 |
| Nominal current IN | 15 A  | 10 A  |
| Nominal voltage UN | 300 V | 300 V |

IECEE CB Scheme 

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

GOST 

cULus Recognized 

## Printed-circuit board connector - MVSTBW 2,5/ 5-ST-5,08 BK - 1836891

### Accessories

#### Accessories

#### Marking

Marker cards - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5.08 mm

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

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

#### Plug/Adapter

Keying star - CR-MSTB - 1734401



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

Coding profile - CP-MSTB - 1734634



Keying profile, is inserted into the slot on the plug or inverted header, red insulating material

#### Tools

## Printed-circuit board connector - MVSTBW 2,5/ 5-ST-5,08 BK - 1836891

### Accessories

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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