

## Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product



### Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 50  |
| Catalog page           | Page 131 (CC-2005)  |
| GTIN                   | <br>4 017918 045111 |
| Custom tariff number   | 85366990  |
| Country of origin      | GERMANY   |

### Technical data

#### Dimensions / positions

|                        |        |
|------------------------|--------|
| Pitch                  | 5 mm   |
| Dimension a            | 85 mm  |
| Number of positions    | 18     |
| 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           |

## Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

### Technical data

#### Technical data

|   |                     |
|---|---------------------|
| Nominal current $I_N$                   | 12 A                |
| Nominal voltage $U_N$                   | 250 V               |
| 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                   |

# Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

## 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 / GOST / IECCEB 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 |

# Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

## Approvals

UL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung

|                                |         |
|--------------------------------|---------|
| 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> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 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

## Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

### Accessories

#### Accessories

#### Marking

Marker cards - SK 5/3,8:UNBEDRUCKT - 0805409



Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5 mm

---

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



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 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 2,5/18-ST - 1792689

### 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

---

### Additional products

Base strip - MSTBW 2,5/18-G - 1735950



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

Base strip - MSTBVA 2,5/18-G - 1755668



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

Base strip - MSTBV 2,5/18-G - 1753754



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

Base strip - MSTB 2,5/18-G - 1754753



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

## Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

### Accessories

#### Base strip - EMSTBA 2,5/18-G - 1900002



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

---

#### Base strip - EMSTBVA 2,5/18-G - 1915026



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

---

#### Base strip - MSTBA 2,5/18-G-LA - 1770643



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

#### Base strip - MSTBA 2,5/18-G - 1757624



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

#### Base strip - MSTB 2,5/18-G-LA - 1768341



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

#### Base strip - MDSTBV 2,5/18-G1 - 1763016



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

# Printed-circuit board connector - MVSTBW 2,5/18-ST - 1792689

## Accessories

---

### Base strip - MDSTB 2,5/18-G1 - 1762855



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

---

### Base strip - SMSTBA 2,5/18-G - 1769968



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

### Base strip - SMSTB 2,5/18-G - 1769395



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 18, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

---

## Drawings

### Dimensioned drawing

