

## Printed-circuit board connector - MSTBP 2,5/15-ST - 1765904

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- Plug-in direction parallel to the conductor axis
- Individual position coding by inserting coding profiles
- Standard plug-in system for 320 V (III/2)



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 017918 031930 |
| Weight per Piece (excluding packing) | 26.3 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland  |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|             |       |
|-------------|-------|
| Pitch       | 5 mm  |
| Dimension a | 70 mm |

#### General

|                             |                 |
|-----------------------------|-----------------|
| Range of articles           | MSTBP 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/3)       | 250 V           |
| Rated voltage (III/2)       | 320 V           |

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## Technical data

### General

|   |   |
|---|---|
| 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 (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA  |
| Inflammability class according to UL 94 | V0  |
| Internal cylindrical gage               | A3  |
| Stripping length                        | 7 mm  |
| Number of positions                     | 15  |
| 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 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

### 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 | 27440309 |

### 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

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#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / CCA / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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

IECEE CB Scheme

| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
|--------------------------------|---------|
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage UN             | 250 V   |

CCA

| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
|--------------------------------|---------|
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage UN             | 250 V   |

EAC

# Printed-circuit board connector - MSTBP 2,5/15-ST - 1765904

## Approvals

cULus Recognized 

## Accessories

### Additional products

Base strip - DFK-MSTB 2,5/15-G - 0707222



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.

Base strip - MSTBW 2,5/15-G - 1735989



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBVA 2,5/15-G - 1755639



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBV 2,5/15-G - 1753699



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTB 2,5/15-G - 1754698



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

## Printed-circuit board connector - MSTBP 2,5/15-ST - 1765904

### Accessories

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#### Base strip - EMSTBA 2,5/15-G - 1899977

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in



#### Base strip - EMSTBVA 2,5/15-G - 1914988

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in



#### Base strip - MSTBA 2,5/15-G-LA - 1770614

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



#### Base strip - MSTBA 2,5/15-G - 1757598

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



#### Base strip - MSTB 2,5/15-G-LA - 1768312

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



# Printed-circuit board connector - MSTBP 2,5/15-ST - 1765904

## Accessories

Base strip - MDSTBV 2,5/15-G1 - 1762978



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: 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 - MDSTB 2,5/15-G1 - 1762826



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: 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 2,5/15-G - 1769939



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

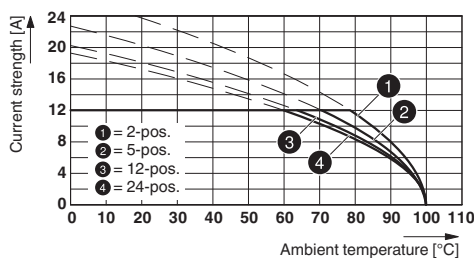
Base strip - SMSTB 2,5/15-G - 1769366



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

## Drawings

Diagram



Type: MSTBP 2,5/...-ST with MSTBA 2,5/...-G

# Printed-circuit board connector - MSTBP 2,5/15-ST - 1765904

Dimensioned drawing

