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# Printed-circuit board connector - MVSTBW 2,5 HC/12-STF - 1913057

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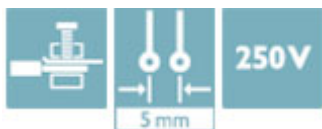
Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Why buy this product

- HC plugs may only be used with HC base strips
- 16 A plugs with vertical connection direction and screw connection



## Key Commercial Data

|              |                     |
|--------------|---------------------|
| Packing unit | 50 STK              |
| GTIN         | <br>4 017918 191764 |

## Technical data

### Dimensions

|             |         |
|-------------|---------|
| Pitch       | 5.00 mm |
| Dimension a | 55 mm   |

### General

|                                  |                           |
|----------------------------------|---------------------------|
| Range of articles                | MVSTBW 2,5 HC/...STF      |
| 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                     |
| Rated voltage (II/2)             | 630 V                     |
| Connection in acc. with standard | EN-VDE                    |
| Nominal current I <sub>N</sub>   | 16 A (see derating curve) |

# Printed-circuit board connector - MVSTBW 2,5 HC/12-STF - 1913057

## Technical data

### General

|  |                     |
|--|---------------------|
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 16 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 7 mm                |
| Number of positions                    | 12                  |
| 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                   |
| Maximum AWG according to UL/CUL   | 12                   |

### Standards and Regulations

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

# Printed-circuit board connector - MVSTBW 2,5 HC/12-STF - 1913057

## 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


#### Approvals

VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |         |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm²/AWG/kcmil   | 0.2-2.5 |
| Nominal current I <sub>N</sub>  | 16 A    |

# Printed-circuit board connector - MVSTBW 2,5 HC/12-STF - 1913057

## Approvals

|                    |       |
|--------------------|-------|
| Nominal voltage UN | 250 V |
|--------------------|-------|

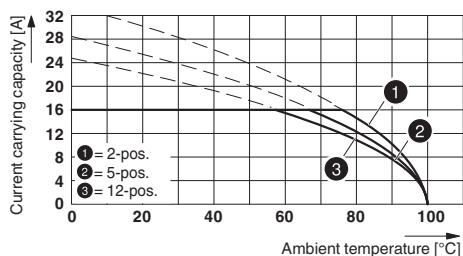
|                                |         |
|--------------------------------|---------|
| IECEE CB Scheme                |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 16 A    |
| Nominal voltage UN             | 250 V   |

|     |
|-----|
| EAC |
|-----|

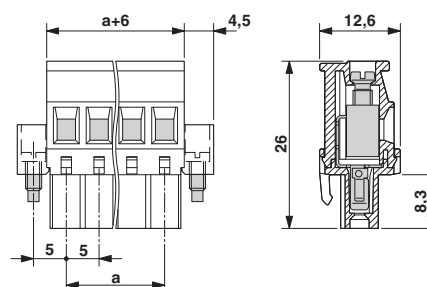
|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 16 A  | 10 A  |
| Nominal voltage UN             | 300 V | 300 V |

## Drawings

Diagram



Dimensional drawing



Derating curve for: MVSTBR 2,5 HC/...-ST with MSTBVA 2,5 HC/...-G

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