



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

Printed-circuit board connector - MVSTBW 2,5 HC/11-ST - 1912825

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://phoenixcontact.com/download>)



Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 11, 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 | 4 017918 191535 |

Technical data

Dimensions

| | |
|-------------|---------|
| Pitch | 5.00 mm |
| Dimension a | 50 mm |

General

| | |
|----------------------------------------|---------------------------|
| Range of articles | MVSTBW 2,5 HC/...-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 |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 16 A (see derating curve) |
| Nominal cross section | 2.5 mm ² |
| Maximum load current | 16 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |

Printed-circuit board connector - MVSTBW 2,5 HC/11-ST - 1912825

Technical data

General

| | |
|---------------------------|--------|
| Internal cylindrical gage | A3 |
| Stripping length | 7 mm |
| Number of positions | 11 |
| 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 ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |
| 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 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |

Printed-circuit board connector - MVSTBW 2,5 HC/11-ST - 1912825

Classifications

eCl@ss

| | |
|------------|----------|
| 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  | |
| mm ² /AWG/kcmil | 0.2-2.5 |
| Nominal current I _N | 16 A |
| Nominal voltage U _N | 250 V |

Printed-circuit board connector - MVSTBW 2,5 HC/11-ST - 1912825

Approvals

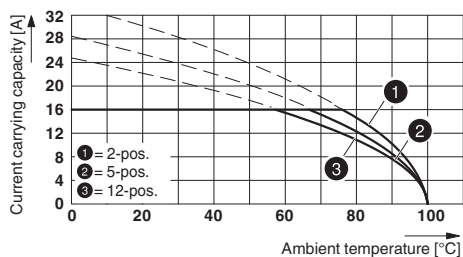
| | |
|--------------------------------|---------|
| IECEE CB Scheme | |
| mm ² /AWG/kcmil | 0.2-2.5 |
| Nominal current I _N | 16 A |
| Nominal voltage U _N | 250 V |

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

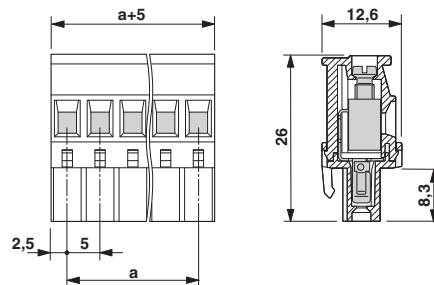
| | | |
|--------------------------------|-------|-------|
| cULus Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current I _N | 16 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |

Drawings

Diagram



Dimensional drawing



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

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
 Flachsmarktstr. 8
 32825 Blomberg
 Germany
 Tel. +49 5235 300
 Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Automatización Eléctrica
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| Product | Code | Reference | Product link |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|----------------------------|
| Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin | 1912825 | MVSTBW 2,5 HC/11-ST | Buy on EAN |