

# Printed-circuit board connector - MVSTBW 2,5/13-STF-5,08 - 1835012

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 13, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin




The figure shows a 10-position version of the product

## Why buy this product

- For larger numbers of positions up to 24-pos., visit: [phoenixcontact.net/products](http://phoenixcontact.net/products)
- MSTB plugs for vertical plug-in direction
- Conductor entry on the rippled side of the plug



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 121723
Weight per Piece (excluding packing)	27.88 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Pitch	5.08 mm
Dimension a	60.96 mm

### General

Range of articles	MVSTBW 2,5/..-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

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## Technical data

### General

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
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	13
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


#### Approvals

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

#### Ex Approvals

#### Approvals submitted

### Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current I <sub>N</sub>	15 A	10 A

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## Approvals

	B	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

	B	D
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

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

CCA

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

CSA

	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage UN	300 V	300 V

EAC

# Printed-circuit board connector - MVSTBW 2,5/13-STF-5,08 - 1835012

## Approvals

cULus Recognized 

## Accessories

### Additional products

Feed-through terminal block - UK 3-MVSTB-5,08-LA 24RD - 3002102



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: gray

Base strip - MVSTBU 2,5/13-GFB-5,08 - 1788457



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 13, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Feed-through terminal block - UK 3-MVSTB-5,08 - 3002076



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Number of positions: 1, Pitch: 5.08 mm, Width: 5.1, Color: gray

Base strip - MSTBVK 2,5/13-GF-5,08 - 1803060



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 13, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

Plug-in block - UMSTBVK 2,5/13-GF-5,08 - 1788033



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 13, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

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## Accessories

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Feed-through terminal block - UK 3D-MSTBV-5,08 - 3002131



Feed-through terminal block, Connection method: Special and hybrid connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5

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## Drawings

Dimensioned drawing

