

## Printed-circuit board connector - MVSTBW 2,5/24-ST-5,08 - 1792977

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 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

- Well-known connection principle allows worldwide use
- Allows connection of two conductors
- Low temperature rise, thanks to maximum contact force



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 045401
GTIN	4017918045401
Weight per Piece (excluding packing)	53.000 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	26 mm
Width [ w ]	121.92 mm
Height [ h ]	12.5 mm
Pitch	5.08 mm
Dimension a	116.84 mm

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## Technical data

### General

Range of articles	MVSTBW 2,5/..-ST
Type of contact	Female connector
Number of positions	24
Connection method	Screw connection with tension sleeve
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 $I_N$	12 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
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>

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## Technical data

### Connection data

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

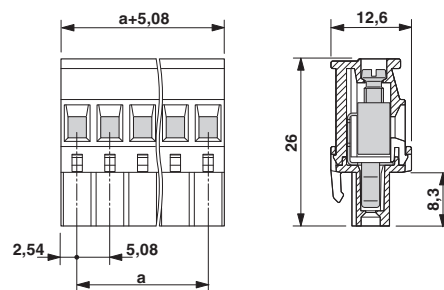
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



## 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

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## Classifications

### eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	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 / IEC60335 CB Scheme / CSA / EAC / cULus Recognized

#### Ex Approvals

### Approval details

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40004701
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		

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## Approvals

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58978-B1B2
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		

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	2585950
	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	

EAC			B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931011
	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	

## Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



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### Accessories

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#### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

#### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

#### Screwdriver tools

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

#### Terminal marking

Marker card - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

#### Additional products

## Printed-circuit board connector - MVSTBW 2,5/24-ST-5,08 - 1792977

### Accessories

#### Base strip - MSTBW 2,5/24-G-5,08 - 1735662

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Printed-circuit board connector - MSTBVA 2,5/24-G-5,08 - 1755956

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Printed-circuit board connector - MSTBA 2,5/24-G-5,08 - 1757462

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Housing - MSTBV 2,5/24-G-5,08 - 1758238

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Housing - MSTB 2,5/24-G-5,08 - 1759237

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



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### Accessories

Housing - SMSTBA 2,5/24-G-5,08 - 1767591



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/24-G-5,08-LA - 1768163



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - SMSTB 2,5/24-G-5,08 - 1769683



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - EMSTBA 2,5/24-G-5,08 - 1880520



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBVA 2,5/24-G-5,08 - 1915958



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 24, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology



