

# Printed-circuit board connector - MVSTBW 2,5 HC/ 2-ST-5,08 - 1912841

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Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

## Product Features

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

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4017918191559

## Technical data

### Dimensions

<b>Pitch</b>	5.08 mm
<b>Dimension a</b>	5.08 mm

### General

<b>Range of articles</b>	MVSTBW 2,5 HC/...-ST
<b>Insulating material group</b>	I
<b>Rated surge voltage (III/3)</b>	4 kV
<b>Rated surge voltage (III/2)</b>	4 kV
<b>Rated surge voltage (II/2)</b>	4 kV
<b>Rated voltage (III/3)</b>	250 V
<b>Rated voltage (III/2)</b>	320 V
<b>Rated voltage (II/2)</b>	630 V
<b>Connection in acc. with standard</b>	EN-VDE
<b>Nominal current I<sub>N</sub></b>	16 A (see derating curve)
<b>Nominal cross section</b>	2.5 mm <sup>2</sup>
<b>Maximum load current</b>	16 A
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0
<b>Internal cylindrical gage</b>	A3

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## Technical data

### General

<b>Stripping length</b>	7 mm
<b>Number of positions</b>	2
<b>Screw thread</b>	M3
<b>Tightening torque, min</b>	0.5 Nm
<b>Tightening torque max</b>	0.6 Nm

### Connection data

<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	12
<b>2 conductors with same cross section, solid min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	1 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.2 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	1.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.25 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	1 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	1.5 mm <sup>2</sup>
<b>Minimum AWG according to UL/CUL</b>	30
<b>Maximum AWG according to UL/CUL</b>	12

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	272607xx
<b>eCl@ss 4.1</b>	27260701
<b>eCl@ss 5.0</b>	27260701
<b>eCl@ss 5.1</b>	27260701

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## classifications

### eCl@ss

eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### 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

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

### Approval details

<b>UL Recognized</b>		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	16 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-12	30-12

<b>VDE Gutachten mit Fertigungsüberwachung</b>	
Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

<b>cUL Recognized</b>	
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## approvals

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	16 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-12	30-12

GOST

IECEE CB Scheme

Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

CCA

Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

cULus Recognized

## accessories

### Coding element

CP-MSTB - 1734634



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accessories

## Screwdriver tools

SZS 0,6X3,5 - 1205053



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## Terminal marking

SK U/3,8 WH:UNBEDRUCKT - 0803906



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



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## Labeled terminal marker

SK 5,08/3,8: 0-9 - 0804303



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



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accessories

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accessories

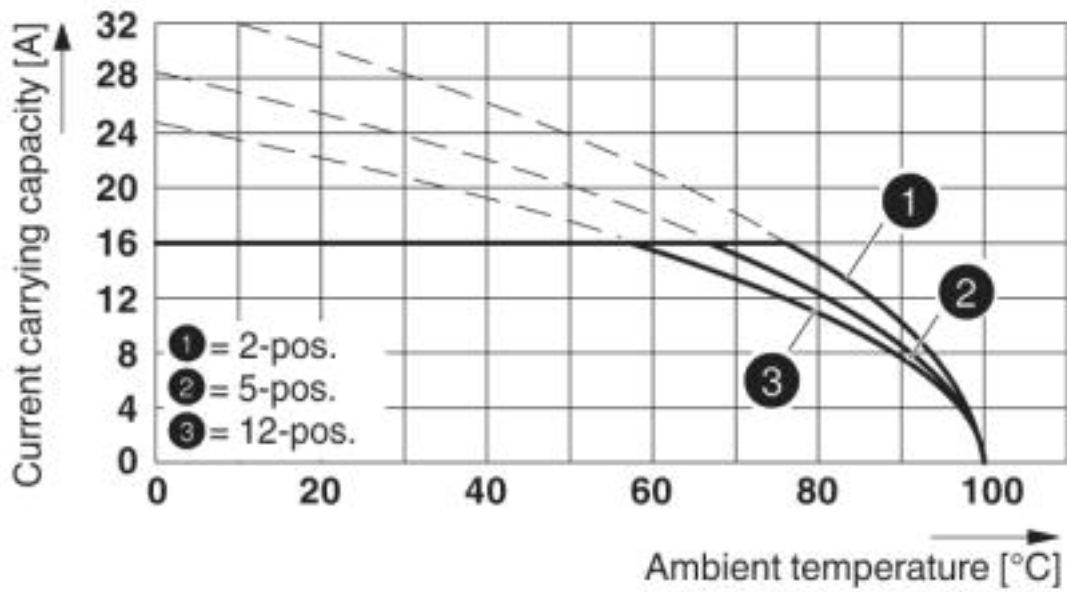
SK 5,08/3,8:SO - 0805085



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## Drawings

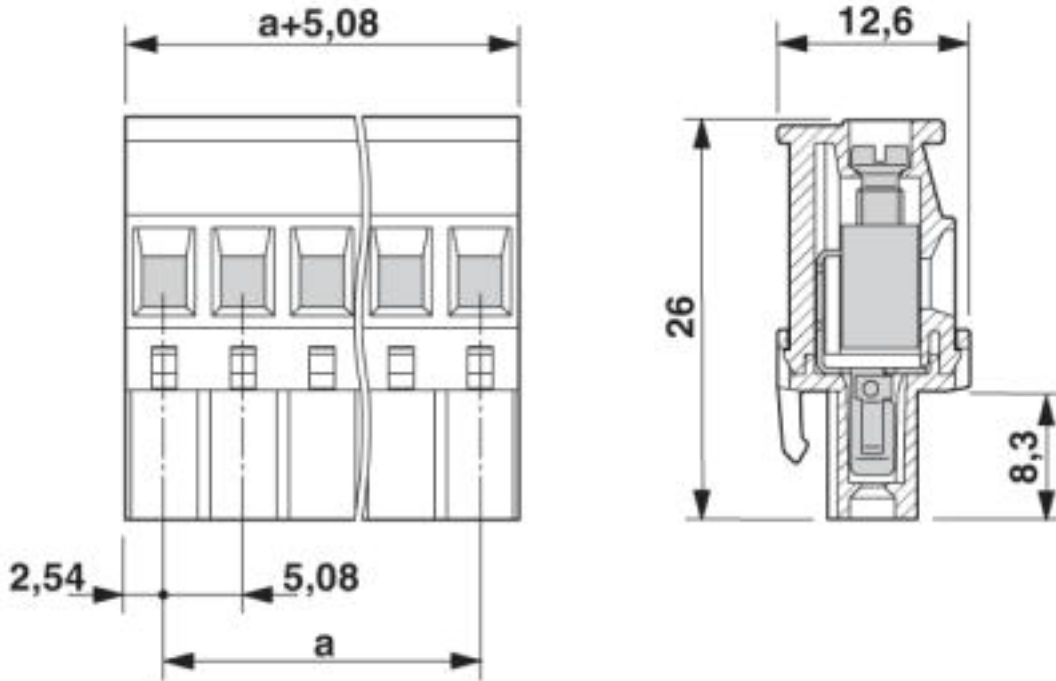
Diagram



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

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Dimensioned drawing



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