

# Printed-circuit board connector - MSTB 2,5 HC/ 3-STF-5,08 - 1912197

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Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 3, 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

- Available as a T version (MSTBT 2,5 HC)
- The double steel spring provides additional safety, especially in the event of temperature and power fluctuations
- CP-MSTB coding profiles as protection against mismatching
- The "High Current" (HC) versions transmit a current of 16 A

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4017918191344

## Technical data

### Dimensions

<b>Pitch</b>	5.08 mm
<b>Dimension a</b>	10.16 mm

### General

<b>Range of articles</b>	MSTB 2,5 HC/...STF
<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

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## Technical data

### General

<b>Inflammability class according to UL 94</b>	V0
<b>Internal cylindrical gage</b>	A3
<b>Stripping length</b>	7 mm
<b>Number of positions</b>	3
<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

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## 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	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

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approvals

**cUL Recognized**

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

**Screwdriver tools**

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## accessories

SZS 0,6X3,5 - 1205053



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## Labeled terminal marker

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



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## Coding element

CP-MSTB - 1734634



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## Bridge

EBP 2- 5 - 1733169

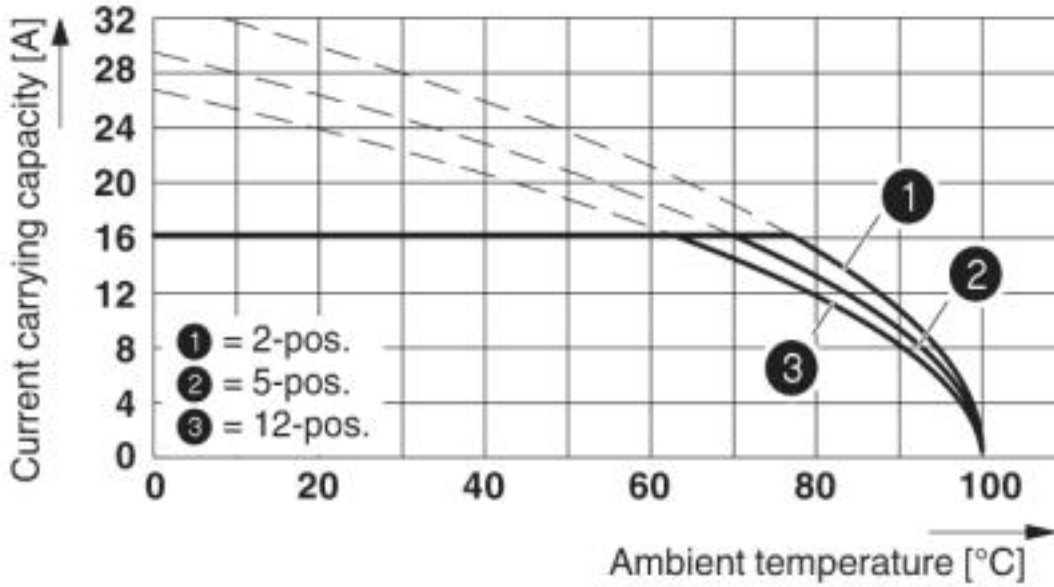


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## Drawings

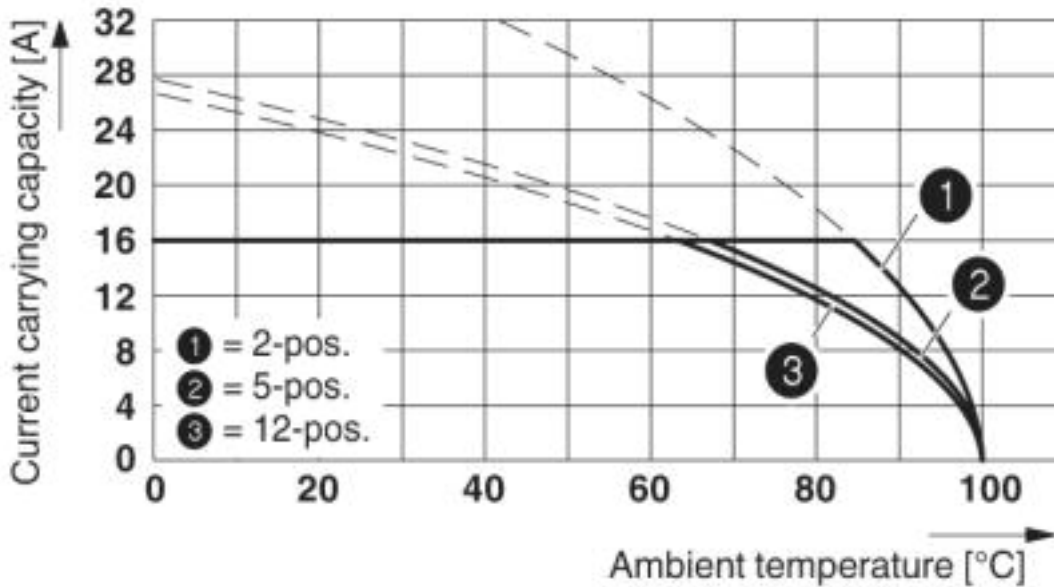
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Diagram



Derating curve for: MSTB 2,5 HC/...-ST with MSTBA 2,5 HC/...-G

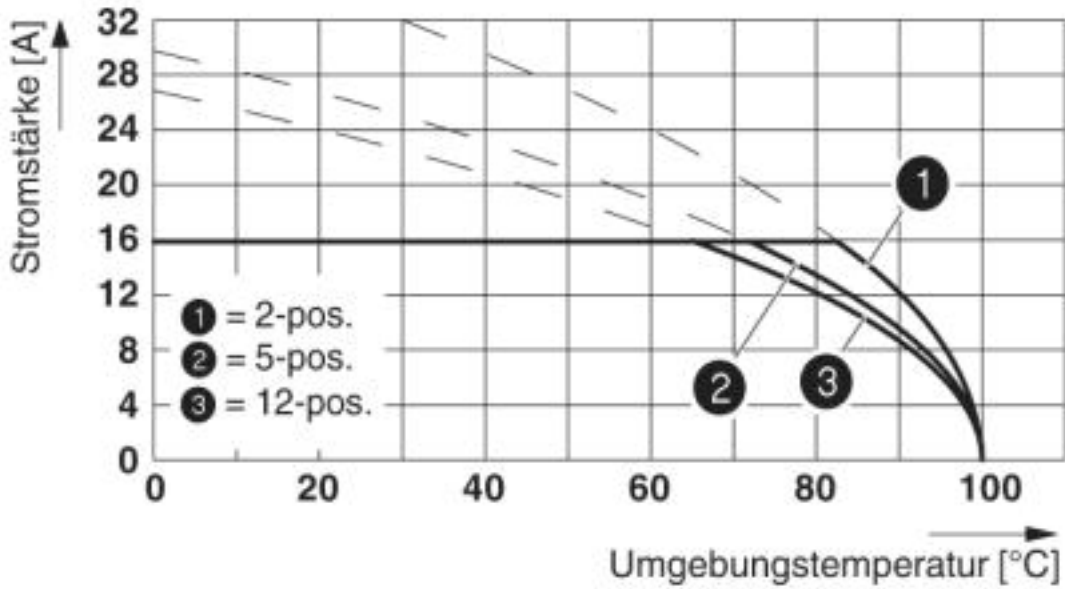
Diagram



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

# Printed-circuit board connector - MSTB 2,5 HC/ 3-STF-5,08 - 1912197

Diagram



Derating curve for: MSTB 2,5 HC/...-STF-5,08 with CCV 2,5/...-GF-5,08 P26THR

Dimensioned drawing

