

# Printed-circuit board connector - SMSTB 2,5/ 8-STF-5,08 - 1971125

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://download.phoenixcontact.com>)

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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

- With angled connection direction to the conductor axis



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 931261
Weight per Piece (excluding packing)	15.63 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Pitch	5.08 mm
Dimension a	35.56 mm

### General

Range of articles	SMSTB 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
Connection in acc. with standard	EN-VDE

# Printed-circuit board connector - SMSTB 2,5/ 8-STF-5,08 - 1971125

## Technical data

### General

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	V2
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	8
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

# Printed-circuit board connector - SMSTB 2,5/ 8-STF-5,08 - 1971125

## 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	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

### Approvals

---

#### Approvals

CSA / UL Recognized / cUL Recognized / GOST / GOST / CSA / cULus Recognized

---


#### Ex Approvals

---

#### Approvals submitted

---

### Approval details

CSA 		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current I <sub>N</sub>	15 A	10 A

## Printed-circuit board connector - SMSTB 2,5/ 8-STF-5,08 - 1971125

### Approvals

	B	D
Nominal voltage UN	300 V	300 V

UL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

cUL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

GOST

GOST

CSA

	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current IN	15 A	10 A
Nominal voltage UN	300 V	300 V

cULus Recognized

### Drawings

## Printed-circuit board connector - SMSTB 2,5/ 8-STF-5,08 - 1971125

Dimensioned drawing

