

# Printed-circuit board connector - MSTB 2,5/22-ST - 1754847

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 029012
Weight per Piece (excluding packing)	36.04 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Pitch	5 mm
Dimension a	105 mm

### General

Range of articles	MSTB 2,5/..-ST
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 (with 2.5 mm <sup>2</sup> conductor cross section)

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## Technical data

### General

Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	22
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

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701

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## Classifications

### eCl@ss

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 / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCEB Scheme / GOST / CCA / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-12	28-12
Nominal current I <sub>N</sub>	15 A	15 A
Nominal voltage U <sub>N</sub>	300 V	300 V

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## Approvals

UL 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 U <sub>N</sub>	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

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

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 U <sub>N</sub>	300 V	300 V

GOST

IECEE CB Scheme

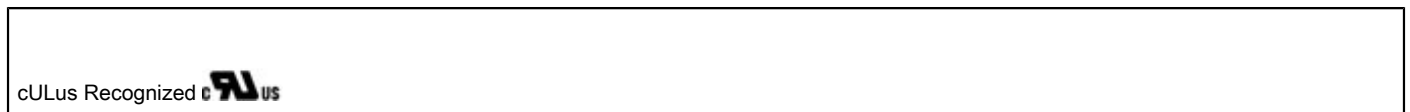
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

GOST

# Printed-circuit board connector - MSTB 2,5/22-ST - 1754847

## Approvals

CCA	
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



## Accessories

### Accessories

#### Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

### Cable housing

Cable housing - KGS-MSTB 2,5/22 - 1805631



Cable housing, Pitch: 0 mm, Number of positions: 22, Dimension a: 110 mm, Color: green

### Coding element

Coding profile - CP-MSTB - 1734634



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

### Labeled terminal marker

## Printed-circuit board connector - MSTB 2,5/22-ST - 1754847

### Accessories

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



Marker cards, 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: 5.08 x 3.8 mm

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### 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

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### Additional products

Base strip - MSTBVA 2,5/22-G - 1755707



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTBV 2,5/22-G - 1753835



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTB 2,5/22-G - 1754834



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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## Printed-circuit board connector - MSTB 2,5/22-ST - 1754847

### Accessories

Base strip - EMSTBA 2,5/22-G - 1900044



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

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Base strip - EMSTBVA 2,5/22-G - 1915770



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

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Base strip - MSTBA 2,5/22-G-LA - 1770685



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTBA 2,5/22-G - 1757666



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTB 2,5/22-G-LA - 1768383



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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# Printed-circuit board connector - MSTB 2,5/22-ST - 1754847

## Accessories

Base strip - SMSTBA 2,5/22-G - 1767342

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



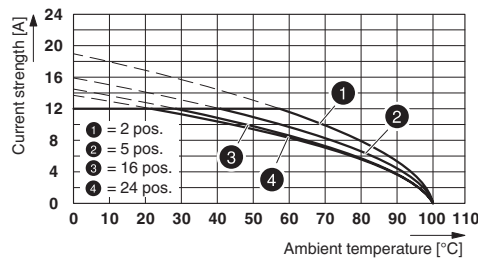
Base strip - SMSTB 2,5/22-G - 1769434

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 22, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



## Drawings

Diagram



Type: MSTB 2,5/...-ST with MSTBV 2,5/...-G