

Printed-circuit board connector - MSTB 2,5/16-STF-5,08 - 1778124

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, 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

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Standard plug-in system for 320 V (III/2)
- ✓ Individual position coding by inserting coding profiles



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 039998
GTIN	4017918039998
Weight per Piece (excluding packing)	27.390 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Environmental Product Compliance

China RoHS	Hazardous substances above threshold values;
	Environmentally Friendly Use Period = 50;
	For details go to tab "Downloads", Category "Manufacturer's declaration"

Dimensions

Width	91.29 mm
Pitch	5.08 mm
Dimension a	76.2 mm

General

Printed-circuit board connector - MSTB 2,5/16-STF-5,08 - 1778124

Technical data

General

Range of articles	MSTB 2,5/...-STF
Type of contact	Female connector
Number of positions	16
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 ²
Maximum load current	12 A (with a 2.5 mm ² conductor cross section)
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²

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Technical data

Connection data

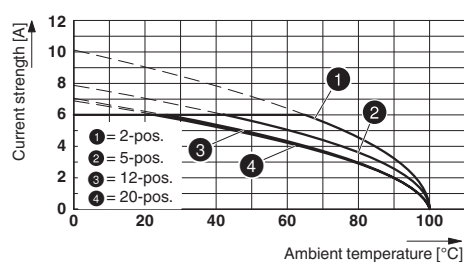
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Standards and Regulations

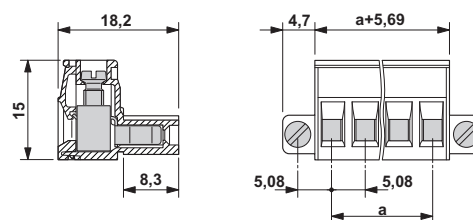
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Drawings

Diagram



Dimensional drawing



Type: MSTB 2,5/...-STF-5,08 with MSTBV 2,5/...-GF-5,08

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	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
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Classifications

UNSPSC

UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / GL / RS / IECCEB Scheme / EAC / cULus Recognized / EAC

Ex Approvals

Approval details

CSA  http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing 13631		
	B	D
mm²/AWG/kcmil	28-12	28-12
Nominal current I _N	15 A	10 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung  http://www.vde.de 40004701	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

GL http://www.gl-group.com/newbuilding/approvals/index.html 5032089 HH

RS http://www.rs-head.spb.ru/en/index.php 10.04059.250

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Approvals

IECEE CB Scheme  http://www.iecee.org/ DE1-56062-B1B2	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

EAC EAC-Zulassung

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19931011		
	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current I _N	15 A	15 A
Nominal voltage U _N	300 V	150 V

EAC B.01742

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

Insertion bridge - EBP 4- 5 - 1733185



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 4

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Accessories

Insertion bridge - EBP 5- 5 - 1733198



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 5

Insertion bridge - EBP 3- 5 - 1733172



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 3

Insertion bridge - EBP 6- 5 - 1733208



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 6

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

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: 5.08 x 3.8 mm

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993



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

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 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 U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

Additional products

Base strip - MSTB 2,5/16-GF-5,08 - 1776647



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Accessories

Base strip - MSTBV 2,5/16-GF-5,08 - 1777219



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - DFK-MSTBA 2,5/16-GF-5,08 - 1899126



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - DFK-MSTBVA 2,5/16-GF-5,08 - 1899427



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - EMSTB 2,5/16-GF-5,08 - 1899757



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

Base strip - EMSTBV 2,5/16-GF-5,08 - 1915356



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 16, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology