

Printed-circuit board connector - MSTB 2,5/12-STF-5,08 - 1778085

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, 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

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Screwable flange for superior mechanical stability
- Allows connection of two conductors



Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4017918039950
Weight per Piece (excluding packing)	0.021 kg
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	18.3 mm
Width [w]	70.97 mm
Height [h]	15 mm
Pitch	5.08 mm
Dimension a	55.88 mm

General

Range of articles	MSTB 2,5/...-STF
Type of contact	Female connector

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Technical data

General

Number of positions	12
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
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²

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Technical data

Connection data

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

Standards and Regulations

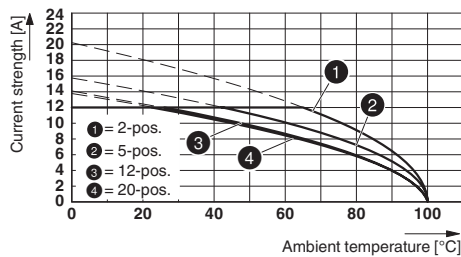
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

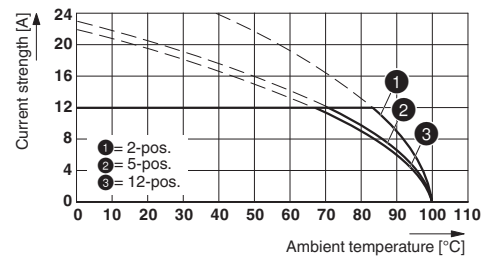
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



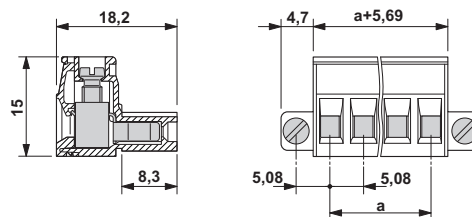
Diagram



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

Type: MSTB 2,5/...-STF-5,08 with CC 2,5/...-GF-5,08 P26THR

Dimensional drawing



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	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	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 / VDE Gutachten mit Fertigungsüberwachung / RS / IEC60320 CB Scheme / cULus Recognized / EAC / DNV GL

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-12	28-12	
Nominal current I _N	10 A	10 A	
Nominal voltage U _N	300 V	300 V	

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Approvals

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701
mm²/AWG/kcmil	0.2-2.5		
Nominal current IN	12 A		
Nominal voltage UN	250 V		

RS		http://www.rs-head.spb.ru/en/index.php	10.04059.250
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IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm²/AWG/kcmil	0.2-2.5		
Nominal current IN	12 A		
Nominal voltage UN	250 V		

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 IN	15 A	15 A	
Nominal voltage UN	300 V	150 V	

EAC		B.01742
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DNV GL	http://exchange.dnv.com/tari/	TAE00001EY
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Accessories

Accessories

Bridge

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Accessories

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

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

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Accessories

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 size: 5.08 x 3.8 mm

Marker pen

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

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Accessories

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906

Marker card, Sheet, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm



Additional products

Base strip - MSTB 2,5/12-GF-5,08 - 1776605

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBV 2,5/12-GF-5,08 - 1777170

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Housing - MDSTB 2,5/12-GF-5,08 - 1842461

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!



Housing - MDSTBV 2,5/12-GF-5,08 - 1845730

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!



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Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/12-GF-5,08 - 1899087



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - DFK-MSTBVA 2,5/12-GF-5,08 - 1899388



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - EMSTB 2,5/12-GF-5,08 - 1899715



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBV 2,5/12-GF-5,08 - 1915314



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - CC 2,5/12-GF-5,08 P26THR - 1954799



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Accessories

Printed-circuit board connector - CC 2,5/12-GF-5,08 P26THRR88 - 1954906

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCV 2,5/12-GF-5,08 P26THR - 1955730

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCV 2,5/12-GF-5,08 P26THRR88 - 1955840

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CC 2,5/12-GFL-5,08P26THR - 1956360

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

