

Printed-circuit board connector - MSTB 2,5/10-STF-5,08 - 1778069

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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 039936
GTIN	4017918039936
Weight per Piece (excluding packing)	17.440 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	60.81 mm
Pitch	5.08 mm
Dimension a	45.72 mm

General

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Technical data

General

Range of articles	MSTB 2,5/...-STF
Type of contact	Female connector
Number of positions	10
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

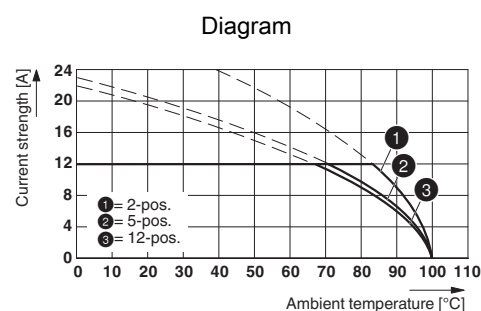
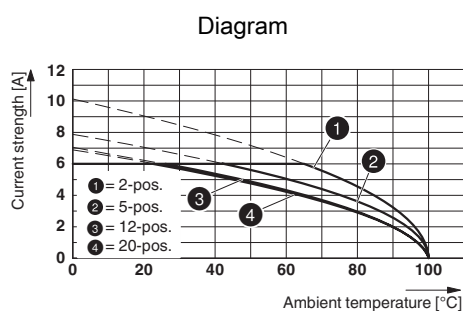
Connection data

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

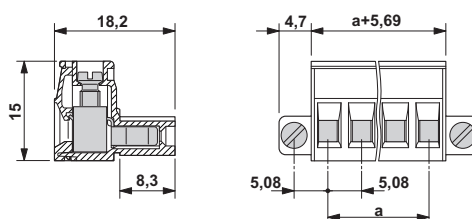
Drawings



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
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704

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Classifications

eCl@ss

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
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

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Approvals

Nominal voltage UN	250 V
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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

IECEE CB Scheme  http://www.iecee.org/ DE1-56062-B1B2	
mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	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 IN	15 A	15 A
Nominal voltage UN	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



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Accessories

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

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 2,5/10-STF-5,08 - 1778069

Accessories

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

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

Printed-circuit board connector - MSTB 2,5/10-STF-5,08 - 1778069

Accessories

Base strip - MSTB 2,5/10-GF-5,08 - 1776582

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - MSTBV 2,5/10-GF-5,08 - 1777154

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



Base strip - MDSTB 2,5/10-GF-5,08 - 1842445

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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!



Base strip - MDSTBV 2,5/10-GF-5,08 - 1845714

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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!



Base strip - DFK-MSTBA 2,5/10-GF-5,08 - 1899061



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/10-STF-5,08 - 1778069

Accessories

Base strip - DFK-MSTBVA 2,5/10-GF-5,08 - 1899362



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - EMSTB 2,5/10-GF-5,08 - 1899692



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

Base strip - EMSTBV 2,5/10-GF-5,08 - 1915291



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

Printed-circuit board connector - CC 2,5/10-GF-5,08 P26THR - 1954773



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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 2,5/10-GF-5,08 P26THRR88 - 1954883



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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 - MSTB 2,5/10-STF-5,08 - 1778069

Accessories

Printed-circuit board connector - CCV 2,5/10-GF-5,08 P26THR - 1955714



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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 2,5/10-GF-5,08 P26THRR88 - 1955824



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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 2,5/10-GFL-5,08P26THR - 1956344



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CC 2,5/10-GFL-5,08P26THRR88 - 1956412



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CC 2,5/10-GFR-5,08P26THR - 1956483



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - MSTB 2,5/10-STF-5,08 - 1778069

Accessories

Printed-circuit board connector - CC 2,5/10-GFR-5,08P26THRR88 - 1956551



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CCV 2,5/10-GFL-5,08P26THR - 1959707



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CCV 2,5/10-GFL-5,08P26THRR88 - 1959778



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CCV 2,5/10-GFR-5,08P26THR - 1959846



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.

Printed-circuit board connector - CCV 2,5/10-GFR-5,08P26THRR88 - 1959914



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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.