

Printed-circuit board connector - FRONT-MSTB 2,5/13-ST-5,08 - 1777390

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, connection method: Front screw connection, 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
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 039547
GTIN	4017918039547
Weight per Piece (excluding packing)	39.200 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	27.2 mm
Width [w]	66.04 mm
Height [h]	14.9 mm
Pitch	5.08 mm
Dimension a	60.96 mm

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Technical data

General

Range of articles	FRONT-MSTB 2,5/..-ST
Type of contact	Female connector
Number of positions	13
Connection method	Front screw connection
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
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	10 mm
Screw thread	M2,5
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.34 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.	1.5 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

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Technical data

Connection data

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
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

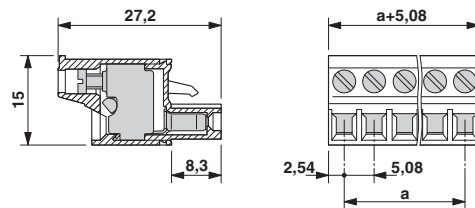
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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
eCl@ss 7.0	27440402

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Classifications

eCl@ss

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 / IECCE CB Scheme / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	22-12	22-12	
Nominal current I _N	15 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
mm ² /AWG/kcmil	0.34-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	250 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm ² /AWG/kcmil	0.34-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	250 V		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	B	D	
mm ² /AWG/kcmil	30-12	30-12	
Nominal current I _N	15 A	10 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
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Accessories

Accessories

Assembly tool

Accessories - FRONT-MSTB-EW - 1763058



Removal aid, for FRONT-MSTB, facilitates extraction of several plugs mounted behind each other

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Accessories

Coding element

Coding profile - CP-MSTB - 1734634

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



Insertion bridge

Insertion bridge - EBL 10- 5 - 2303132



Insertion bridge, pitch: 5 mm, number of positions: 10, color: gray

Insertion bridge - EBL 2- 5 - 2303145



Insertion bridge, pitch: 5 mm, number of positions: 2, color: gray

Insertion bridge - EBL 3- 5 - 2303158



Insertion bridge, pitch: 5 mm, number of positions: 3, color: gray

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Accessories

Insertion bridge - EBL 4- 5 - 2303161



Insertion bridge, number of positions: 4, color: gray

Insertion bridge - EBL 5- 5 - 2303174



Insertion bridge, number of positions: 5, color: gray

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

Screwdriver tools

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Accessories

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/2,8 WH:UNBEDRUCKT - 0803883



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 2.8 mm

Additional products

Header - MSTBW 2,5/13-G-5,08 - 1735772



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/13-G-5,08 - 1755846



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/13-G-5,08 - 1757352



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Header - MSTBV 2,5/13-G-5,08 - 1758128



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MSTB 2,5/13-G-5,08 - 1759127



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MDSTB 2,5/13-G1-5,08 - 1762473



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, 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!

Header - MDSTBV 2,5/13-G1-5,08 - 1762619



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, 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!

Header - SMSTBA 2,5/13-G-5,08 - 1767481



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Header - MSTBA 2,5/13-G-5,08-LA - 1768053



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Soldering

Printed-circuit board connector - SMSTB 2,5/13-G-5,08 - 1769573



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MSTBV 2,5/13-GEH-5,08 - 1808573



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - EMSTBVA 2,5/13-G-5,08 - 1859629



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Header - EMSTBA 2,5/13-G-5,08 - 1880410



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/13-G-5,08 - 1898949



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - DFK-MSTBVA 2,5/13-G-5,08 - 1899249



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 13, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering
