

Printed-circuit board connector - MSTB 2,5/ 6-ST-5,08 - 1757051

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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
- ✓ Allows connection of two conductors



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 029586
GTIN	4017918029586
Weight per Piece (excluding packing)	10.350 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Length [l]	18.3 mm
Width [w]	30.48 mm
Height [h]	15 mm
Pitch	5.08 mm
Dimension a	25.4 mm

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Technical data

General

Range of articles	MSTB 2,5/...-ST
Type of contact	Female connector
Number of positions	6
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

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Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²
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

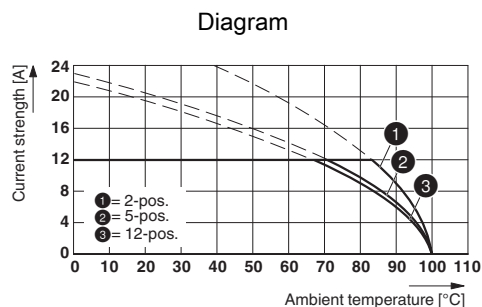
Standards and Regulations

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

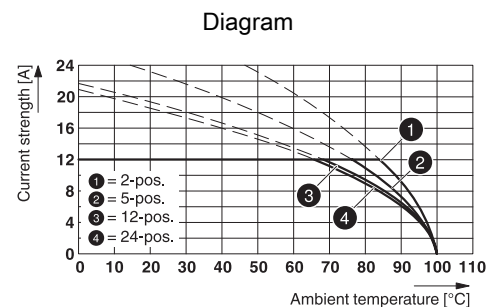
Environmental Product Compliance

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

Drawings



Type: MSTB 2,5/...-ST-5,08 with CC 2,5/...-G-5,08 P26THR



Type: MSTB 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701

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Classifications

eCl@ss

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 / IECCE CB Scheme / cULus Recognized / EAC


Ex Approvals


Approval details


CSA		http://www.csagroup.org/services-industries/product-listing/	LR13631-2585950
	B	D	
mm²/AWG/kcmil	28-12	28-12	
Nominal current I _N	15 A	15 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 I _N	12 A		
Nominal voltage U _N	250 V		

IECEE CB Scheme			http://www.iecee.org/	DE1-58978-B1B2
mm²/AWG/kcmil		0.2-2.5		
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	15 A	
Nominal voltage U _N	300 V	150 V	

EAC		B.01742
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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 3- 5 - 1733172



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

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 6- 5 - 1733208



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

Cable housing

Cable housing - KGG-MSTB 2,5/ 6 - 1803905



Cable housing, pitch: 0 mm, number of positions: 6, dimension a: 30 mm, color: green

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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

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

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/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/ 6-G-5,08 - 1735840



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/ 6-G-5,08 - 1755778



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 6-G-5,08 - 1757284



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MSTBV 2,5/ 6-G-5,08 - 1758050



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/ 6-ST-5,08 - 1757051

Accessories

Header - MSTB 2,5/ 6-G-5,08 - 1759059



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MDSTB 2,5/ 6-G1-5,08 - 1762415



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G1-5,08 - 1762541



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 - 1767410



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - SMSTB 2,5/ 6-G-5,08 - 1769502



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/ 6-ST-5,08 - 1757051

Accessories

Header - MSTBA 2,5/ 6-G-5,08-LA - 1770986



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MDSTBA 2,5/ 6-G-5,08 - 1842102



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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!

Header - MDSTBW 2,5/ 6-G-5,08 - 1842254



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MDSTB 2,5/ 6-G-5,08 - 1844977



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1736771, 1736768. 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 - MDSTBVA 2,5/ 6-G-5,08 - 1845374



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MDSTBV 2,5/ 6-G-5,08 - 1845523



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. 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 - MSTBO 2,5/ 6-GR-5,08 - 1847149



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - MSTBO 2,5/ 6-GL-5,08 - 1850479



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Header - EMSTBVA 2,5/ 6-G-5,08 - 1859551



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Header - EMSTBA 2,5/ 6-G-5,08 - 1880342



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - MSTB 2,5/ 6-ST-5,08 - 1757051

Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/ 6-G-5,08 - 1898871



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - DFK-MSTBVA 2,5/ 6-G-5,08 - 1899171



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 6-G-5,08 THT - 1902783



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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"

Header - MSTBVA 2,5/ 6-G-5,08 THT - 1902851



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MSTBA 2,5/ 6-G-5,08 THT-R56 - 1937279



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-ST-5,08 - 1757051

Accessories

Header - MSTBVA 2,5/ 6-G-5,08 THT-R56 - 1940457



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THR - 1954511



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1954621



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCA 2,5/ 6-G-5,08 P26THR - 1954951



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCA 2,5/ 6-G-5,08 P26THRR56 - 1955073



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-ST-5,08 - 1757051

Accessories

Printed-circuit board connector - CCV 2,5/ 6-G-5,08 P26THR - 1955426

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1955565

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCVA 2,5/ 6-G-5,08 P26THR - 1955895

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCVA 2,5/ 6-G-5,08 P26THRR56 - 1956001

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCVA 2,5/ 6-GL-5,08P26THR - 1959943

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-ST-5,08 - 1757051

Accessories

Printed-circuit board connector - CCVA 2,5/ 6-GL-5,08P26THRR56 - 1960042



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - CCVA 2,5/ 6-GR-5,08P26THR - 1960123



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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.