

Printed-circuit board connector - MSTBT 2,5/ 4-ST-5,08 - 1780002

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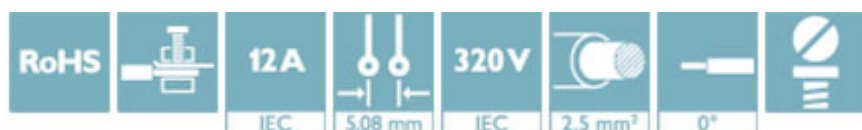
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin



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	100 STK
GTIN	 4 017918 040697
GTIN	4017918040697
Weight per Piece (excluding packing)	6.680 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	18.2 mm
Width [w]	20.32 mm
Height [h]	15 mm
Pitch	5.08 mm
Dimension a	15.24 mm

General

Range of articles	MSTBT 2,5/...-ST
Type of contact	Female connector

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Technical data

General

Number of positions	4
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

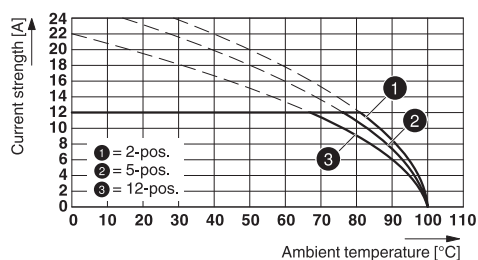
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

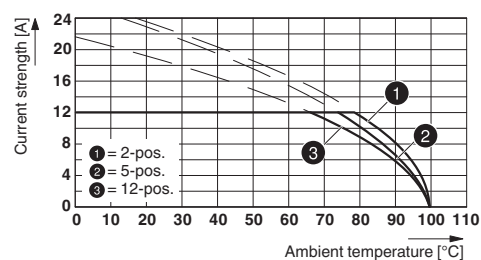
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



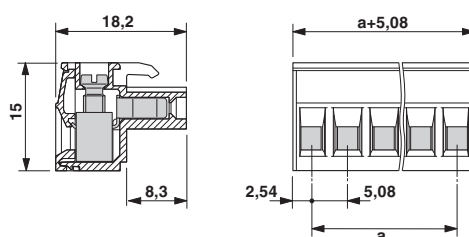
Diagram



Type: MSTBT 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26 THR

Type: MSTBT 2,5/...-ST-5,08 with CCA 2,5/...-G-5,08 P26 THR

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 / IECEx CB Scheme / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		13631
	B	D
mm²/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 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	
mm²/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

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

Cable housing

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Accessories

Cable housing - KGG-MSTB 2,5/ 2 - 1803934



Cable housing, pitch: 0 mm, number of positions: 2, dimension a: 10 mm, color: green

Cable housing - KGS-MSTB 2,5/ 8 - 1783779



Cable housing, pitch: 0 mm, number of positions: 8, dimension a: 40 mm, color: green

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

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

Additional products

Printed-circuit board connector - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Base strip - MSTBW 2,5/ 4-G-5,08 - 1735866



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTBV 2,5/ 4-G1-5,08 - 1736755



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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!

Base strip - MSTBVA 2,5/ 4-G-5,08 - 1755752



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/ 4-G-5,08 - 1757268



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBV 2,5/ 4-G-5,08 - 1758034



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Base strip - MSTB 2,5/ 4-G-5,08 - 1759033



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - SMSTBA 2,5/ 4-G-5,08 - 1767397



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - SMSTB 2,5/ 4-G-5,08 - 1769489



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/ 4-G-5,08-LA - 1770960



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTBA 2,5/ 4-G-5,08 - 1842089



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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!

Printed-circuit board connector - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Housing - MDSTBW 2,5/ 4-G-5,08 - 1842238



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MDSTBVA 2,5/ 4-G-5,08 - 1845358



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 - 1845507



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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!

Base strip - MSTBO 2,5/ 4-GR-5,08 - 1847123



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBO 2,5/ 4-GL-5,08 - 1850453



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Base strip - EMSTBVA 2,5/ 4-G-5,08 - 1859535



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBA 2,5/ 4-G-5,08 - 1880326



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - DFK-MSTBA 2,5/ 4-G-5,08 - 1898855



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - DFK-MSTBVA 2,5/ 4-G-5,08 - 1899155



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 4-G-5,08 THT - 1902767



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Base strip - MSTBVA 2,5/ 4-G-5,08 THT - 1902835



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 THT-R32 - 1937253



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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"

Base strip - MSTBVA 2,5/ 4-G-5,08 THT-R56 - 1940431



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THR - 1954401



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THRR32 - 1954605



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Printed-circuit board connector - CCA 2,5/ 4-G-5,08 P26THR - 1954935

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THRR56 - 1955057

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THR - 1955400

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THRR32 - 1955549

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G-5,08 P26THR - 1955879

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MSTBT 2,5/ 4-ST-5,08 - 1780002

Accessories

Printed-circuit board connector - CCVA 2,5/ 4-G-5,08 P26THRR56 - 1955989



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, 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"