

Printed-circuit board connector - MSTBC 2,5/ 4-ST-5,08 - 1808832

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The figure shows an 10-position version

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

Why buy this product

- ☒ Inexpensive connection of large quantities of pre-assembled conductors



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 047184
GTIN	4017918047184
Weight per Piece (excluding packing)	1.820 g
Custom tariff number	85472000
Country of origin	Poland

Technical data

Dimensions

Length [l]	25 mm
Width [w]	20.28 mm
Height [h]	10 mm
Pitch	5.08 mm
Dimension a	15.24 mm

General

Range of articles	MSTBC 2,5/...-ST
Type of contact	Female connector
Number of positions	4

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Technical data

General

Connection method	Crimp 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)	320 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

Connection data

Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	14

Standards and Regulations

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

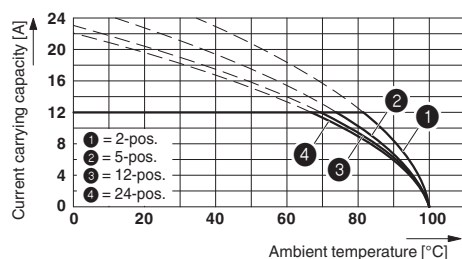
Environmental Product Compliance

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

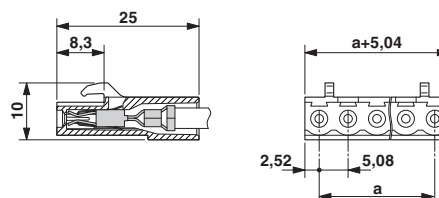
Drawings

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Diagram



Dimensional drawing



Type: MSTBC 2,5/...-ST-5,08 with MSTBA 2,5/...-G-5,08; contact:
MSTBC-MT 1,5 - 2,5

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
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

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CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / cULus Recognized

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Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
mm²/AWG/kcmil		20-14	
Nominal current I _N		10 A	
Nominal voltage U _N		300 V	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	D
mm²/AWG/kcmil		20-14	20-14
Nominal current I _N		10 A	10 A
Nominal voltage U _N		250 V	300 V

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701
mm²/AWG/kcmil		0.5-1.0	
Nominal current I _N		10 A	
Nominal voltage U _N		250 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	D
mm²/AWG/kcmil		20-14	20-14
Nominal current I _N		10 A	10 A
Nominal voltage U _N		250 V	300 V

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm²/AWG/kcmil		0.5-1.0	

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Approvals

Nominal current I _N	10 A
Nominal voltage U _N	250 V

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634



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

Crimp contact

Accessories - MSTBC-MT 1,5-2,5 - 3190551



Module female contact, is inserted into the plug housing MSTBC after crimping the conductor, for conductors from 1.5 to 2.5 mm²

Female insert - MSTBC-MT 1,5-2,5 BA - 3190658



Module female contact, is inserted into the MSTBC connector shell after the conductor has been crimped, for conductors from 1.5 - 2.5 mm², ribbon contact

Accessories - MSTBC-MT 0,5-1,0 BA - 3190645



Module female contact, is inserted into the MSTBC connector shell after the conductor has been crimped, for conductors from 0.5 - 1.0 mm², ribbon contact

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Accessories

Accessories - MSTBC-MT 0,5-1,0 - 3190564



Module female contact, is inserted into the plug housing MSTBC after crimping the conductor, for conductors from 0.5 to 1.0 mm²

Crimping tool

Crimping pliers - CRIMPFOX MT 2,5 - 1204038



Crimping pliers, for crimping conductors to the module female contacts STG-MTN, crimp range: 0.5-2.5 mm², AWG: 20-14

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 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Accessories - MSTBC-MT 0,2-0,5 - 1879531



Module socket contact, is inserted into the plug housing MSTBC after crimping the conductor, for conductors from 0.2 to 0.5 mm²

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Accessories

Accessories - MSTBC-MT 0,2-0,5 BAND - 1879544



Module socket contact, is inserted into the plug housing MSTBC after crimping the conductor, for conductors from 0.2 to 0.5 mm²

Additional products

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 - MDSTB 2,5/ 4-G1-5,08 - 1736713



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 - 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

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Accessories

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



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



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Accessories

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!

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 - MDSTB 2,5/ 4-G-5,08 - 1842539



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. 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!

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!

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Accessories

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

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

Printed-circuit board connector - MSTBC 2,5/ 4-ST-5,08 - 1808832

Accessories

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"

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"

Printed-circuit board connector - MSTBC 2,5/ 4-ST-5,08 - 1808832

Accessories

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 - 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 - MSTBC 2,5/ 4-ST-5,08 - 1808832

Accessories

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 - 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"