

Printed-circuit board connector - MSTBC 2,5/ 8-ST-5,08 - 1808874

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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



The figure shows an 10-position version

Why buy this product

- Inexpensive connection of large quantities of pre-assembled conductors



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 017918 047221
GTIN	4017918047221
Weight per Piece (excluding packing)	4.110 g
Custom tariff number	85472000
Country of origin	Poland

Technical data

Dimensions

Length [l]	25 mm
Width [w]	40.6 mm
Height [h]	10 mm
Pitch	5.08 mm
Dimension a	35.56 mm

General

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Technical data

General

Range of articles	MSTBC 2,5/...-ST
Type of contact	Female connector
Number of positions	8
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

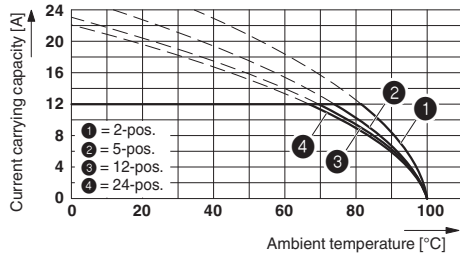
Environmental Product Compliance

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

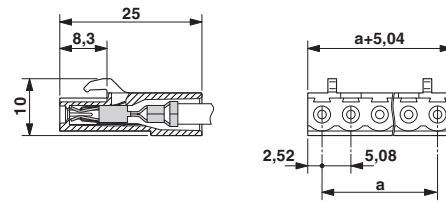
Drawings

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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

Approvals

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Approvals


Approvals


CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / cULus Recognized


Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
mm ² /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	
mm ² /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
mm ² /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	
mm ² /AWG/kcmil	20-14	20-14	
Nominal current I _N	10 A	10 A	

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Approvals

	B	D
Nominal voltage UN	250 V	300 V

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm ² /AWG/kcmil	0.5-1.0		
Nominal current IN	10 A		
Nominal voltage UN	250 V		

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

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Accessories

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

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 0,2-0,5 - 1879531



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

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

Crimping tool

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Accessories

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 size: 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

Additional products

Base strip - MSTBW 2,5/ 8-G-5,08 - 1735824



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Printed-circuit board connector - MSTBVA 2,5/ 8-G-5,08 - 1755794

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBA 2,5/ 8-G-5,08 - 1757307

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBV 2,5/ 8-G-5,08 - 1758076

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTB 2,5/ 8-G-5,08 - 1759075

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MDSTB 2,5/ 8-G1-5,08 - 1762431

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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!



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Accessories

Base strip - MDSTBV 2,5/ 8-G1-5,08 - 1762567



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - SMSTBA 2,5/ 8-G-5,08 - 1767436



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - SMSTB 2,5/ 8-G-5,08 - 1769528



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/ 8-G-5,08-LA - 1771008



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBV 2,5/ 8-GEH-5,08 - 1808528



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Base strip - MDSTB 2,5/ 8-G-5,08 - 1840052



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - MDSTBA 2,5/ 8-G-5,08 - 1842128



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - MDSTBW 2,5/ 8-G-5,08 - 1842270



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 - 1845390



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - MDSTBV 2,5/ 8-G-5,08 - 1845549



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 8, 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!

Printed-circuit board connector - MSTBC 2,5/ 8-ST-5,08 - 1808874

Accessories

Base strip - MSTBO 2,5/ 8-GR-5,08 - 1847165



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

Base strip - MSTBO 2,5/ 8-GL-5,08 - 1850495



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

Base strip - EMSTBVA 2,5/ 8-G-5,08 - 1859577



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBA 2,5/ 8-G-5,08 - 1880368



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - DFK-MSTBA 2,5/ 8-G-5,08 - 1898897



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBC 2,5/ 8-ST-5,08 - 1808874

Accessories

Printed-circuit board connector - DFK-MSTBVA 2,5/ 8-G-5,08 - 1899197



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 8-G-5,08 THT - 1902806



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 THT - 1902877



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 THT-R56 - 1937295



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 THT-R56 - 1940473



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-ST-5,08 - 1808874

Accessories

Printed-circuit board connector - CC 2,5/ 8-G-5,08 P26THR - 1954537

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THRR56 - 1954647

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THR - 1954980

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THRR56 - 1955099

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THR - 1955471

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-ST-5,08 - 1808874

Accessories

Printed-circuit board connector - CCV 2,5/ 8-G-5,08 P26THRR56 - 1955581

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THR - 1955918

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-G-5,08 P26THRR56 - 1956027

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-GL-5,08P26THRR56 - 1959192

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - CCA 2,5/ 8-GR-5,08P26THRR56 - 1959338

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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 - MSTBC 2,5/ 8-ST-5,08 - 1808874

Accessories

Printed-circuit board connector - CCVA 2,5/ 8-GL-5,08P26THR - 1959969



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-GL-5,08P26THRR56 - 1960068



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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/ 8-GR-5,08P26THR - 1960149



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 8, 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.
