

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 047177
GTIN	4017918047177
Weight per Piece (excluding packing)	1.690 g
Custom tariff number	85472000
Country of origin	Poland

Technical data

Dimensions

Length [l]	25 mm
Width [w]	15.2 mm
Height [h]	10 mm
Pitch	5.08 mm
Dimension a	10.16 mm

General

Range of articles	MSTBC 2,5/..-ST
Type of contact	Female connector
Number of positions	3

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

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

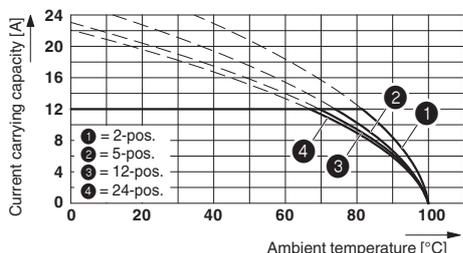
Environmental Product Compliance

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

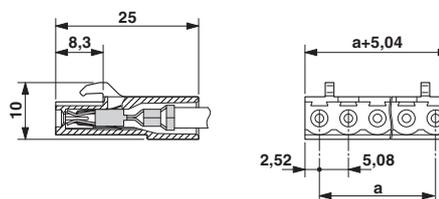
Drawings

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

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

Approvals

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

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
mm ² /AWG/kcmil	20-14		
Nominal current IN	10 A		
Nominal voltage UN	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 IN	10 A	10 A	
Nominal voltage UN	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 IN	10 A		
Nominal voltage UN	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 IN	10 A	10 A	
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		

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Approvals

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

EAC		EAC-Zulassung
-----	--	---------------

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 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

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

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

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

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

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

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

Additional products

Base strip - MSTBW 2,5/ 3-G-5,08 - 1735879



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTBV 2,5/ 3-G1-5,08 - 1736742



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 - 1755749



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

Base strip - MSTBA 2,5/ 3-G-5,08 - 1757255

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBV 2,5/ 3-G-5,08 - 1758021

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTB 2,5/ 3-G-5,08 - 1759020

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MDSTB 2,5/ 3-G-5,08 - 1762075

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!



Base strip - MDSTB 2,5/ 3-G1-5,08 - 1762376

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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!



Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

Base strip - MDSTBV 2,5/ 3-G-5,08 - 1763087



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - SMSTBA 2,5/ 3-G-5,08 - 1767384



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - SMSTB 2,5/ 3-G-5,08 - 1769476



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/ 3-G-5,08-LA - 1770957



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTBW 2,5/ 3-G-5,08 - 1802414



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

Base strip - MDSTBA 2,5/ 3-G-5,08 - 1842076



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 - 1845345



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTBO 2,5/ 3-GR-5,08 - 1847110



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBO 2,5/ 3-GL-5,08 - 1850440



Header, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

Base strip - MDSTBA 2,5/ 3-GL-5,08 - 1874714



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBA 2,5/ 3-GR-5,08 - 1874727



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-GL-5,08 - 1874756



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-GR-5,08 - 1874769



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - EMSTBA 2,5/ 3-G-5,08 - 1880313



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829

Accessories

Base strip - DFK-MSTBA 2,5/ 3-G-5,08 - 1898842



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - DFK-MSTBVA 2,5/ 3-G-5,08 - 1899142



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 3-G-5,08 THT - 1902754



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 THT - 1902822



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 THT-R32 - 1937240



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-ST-5,08 - 1808829

Accessories

Base strip - MSTBVA 2,5/ 3-G-5,08 THT-R56 - 1940428



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THR - 1954391



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 1954595



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THR - 1954922



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 1955044



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-ST-5,08 - 1808829

Accessories

Printed-circuit board connector - CCV 2,5/ 3-G-5,08 P26THR - 1955390

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 195536

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THR - 1955866

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 1955976



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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"