

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

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The illustration shows an 10-position version

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, 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
- ✓ Pull-out aid facilitates handling and allows the tensile force to be reduced at the contact point
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	
GTIN	4017918047870
Weight per Piece (excluding packing)	2.120 g
Custom tariff number	85472000
Country of origin	Poland

### Technical data

#### Dimensions

Length	25 mm
Height	10.5 mm
Width	19.82 mm
Pitch	5.08 mm

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## Technical data

### Dimensions

Dimension a	5.08 mm
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### General

Range of articles	MSTBC 2,5/...-STZF
Type of contact	Female connector
Number of positions	2
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 <sup>2</sup>
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 <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
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

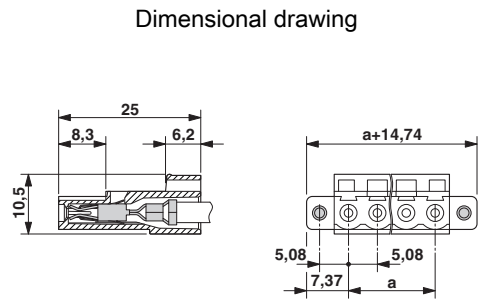
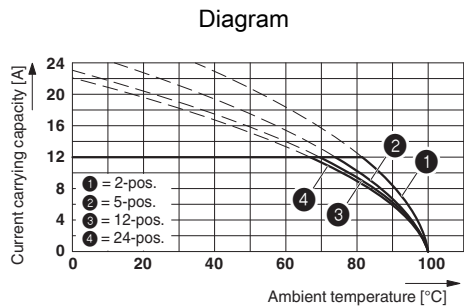
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### 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/ 2-STZF-5,08 - 1809734



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 / IECCE CB Scheme / cULus Recognized


### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
mm²/AWG/kcmil		20-14	
Nominal current I <sub>N</sub>		10 A	
Nominal voltage U <sub>N</sub>		300 V	

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

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

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		B	D
mm²/AWG/kcmil		20-14	20-14
Nominal current I <sub>N</sub>		10 A	10 A

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### Approvals

	B	D
Nominal voltage UN	250 V	300 V

IECEE CB Scheme	<b>CB</b> scheme	<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58636-B1B2
mm <sup>2</sup> /AWG/kcmil	0.5-1.0		
Nominal current IN	10 A		
Nominal voltage UN	250 V		

cULus Recognized	<b>cULus</b>	<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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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 mm<sup>2</sup>

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### 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 mm<sup>2</sup>, ribbon contact

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#### 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 mm<sup>2</sup>

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#### 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 mm<sup>2</sup>, ribbon contact

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### 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 mm<sup>2</sup>, AWG: 20-14

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### 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

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### Accessories

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#### 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

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Strain relief - STZ 2-MSTBC-5,08 - 1810529



Strain relief for snapping into the latching chambers of the plug components, 2-pos., labeling with ZB 6

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Strain relief - STZ 4-MSTBC-5,08 - 1810532

Strain relief for snapping into the latching chambers of the plug components, 4-pos., labeling with ZB 6

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Strain relief - STZ 8-MSTBC-5,08 - 1810516

Strain relief for snapping into the latching chambers of the plug components, 8-pos., labeling with ZB 6

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Strain relief - STZ 12-MSTBC-5,08 - 1810503

Strain relief for snapping into the latching chambers of the plug components, 12-pos., labeling with ZB 6

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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 mm<sup>2</sup>

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### Accessories

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

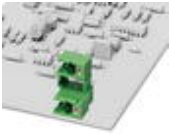


Module socket contact, is inserted into the plug housing MSTBC after crimping the conductor, for conductors from 0.2 to 0.5 mm<sup>2</sup>

### Additional products

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#### Base strip - MDSTB 2,5/ 2-GFR-5,08 - 1736768



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

#### Housing - MDSTB 2,5/ 2-GFL-5,08 - 1736771



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, 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 - MSTB 2,5/ 2-GF-5,08 - 1776508



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, Contact surface: Tin, mounting: Wave soldering, Gold-plated contact surface / color: Green RAL 6021

#### Base strip - MSTBV 2,5/ 2-GF-5,08 - 1777073



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



## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### Accessories

#### Base strip - MDSTBV 2,5/ 2-GFL-5,08 - 1836477



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, 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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#### Base strip - MDSTBV 2,5/ 2-GFR-5,08 - 1836480



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, 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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#### Base strip - MDSTB 2,5/ 2-GF-5,08 - 1842364



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, 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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#### Base strip - MDSTBV 2,5/ 2-GF-5,08 - 1845633



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, 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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#### Base strip - DFK-MSTBA 2,5/ 2-GF-5,08 - 1898981



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

## Printed-circuit board connector - MSTBC 2,5/ 2-STZF-5,08 - 1809734

### Accessories

#### Base strip - DFK-MSTBVA 2,5/ 2-GF-5,08 - 1899281



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

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#### Base strip - EMSTB 2,5/ 2-GF-5,08 - 1899618



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

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#### Base strip - EMSTBV 2,5/ 2-GF-5,08 - 1915217



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

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#### Base strip - MSTB 2,5/ 2-GF-5,08 THT - 1927564



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

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#### Base strip - MSTBV 2,5/ 2-GF-5,08 THT - 1940897



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, 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/ 2-STZF-5,08 - 1809734

### Accessories

#### Printed-circuit board connector - CC 2,5/ 2-GF-5,08 P26THR - 1954692

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, 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/ 2-GF-5,08 P26THRR32 - 1954809

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, 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/ 2-GF-5,08 P26THR - 1955633

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, 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/ 2-GF-5,08 P26THRR32 - 1955743

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

