

# Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

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: 19, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] 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 illustration shows a 15-position version



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 047337
Weight per Piece (excluding packing)	9.34 g
Custom tariff number	85472000
Country of origin	Poland
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Pitch	5.08 mm
Dimension a	91.44 mm

### General

Range of articles	MSTBC 2,5/..-ST
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 <sub>N</sub>	12 A
Nominal cross section	2.5 mm <sup>2</sup>

# Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

## Technical data

### General

Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Number of positions	19

### Connection data

Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	14

## 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

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	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 / IECCEB CB Scheme / CCA / cULus Recognized


# Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984


## Approvals


Ex Approvals


Approvals submitted

## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	20-14
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	300 V

UL Recognized 		
	B	D
mm <sup>2</sup> /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 	
mm <sup>2</sup> /AWG/kcmil	0.5-1.0
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized 		
	B	D
mm <sup>2</sup> /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

# Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

## Approvals

IECEE CB Scheme	
mm <sup>2</sup> /AWG/kcmil	0.5-1.0
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

CCA	
mm <sup>2</sup> /AWG/kcmil	0.5-1.0
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

cULus Recognized	
------------------	--

## 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 2,5/19-ST-5,08 - 1808984

### 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

---

#### 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>

---

#### 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

---

### 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

---

### 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

## Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

### Accessories

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 mm<sup>2</sup>

---

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

Feed-through terminal block - UK 3-MVSTB-5,08 - 3002076



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Number of positions: 1, Pitch: 5.08 mm, Width: 5.1, Color: gray

---

Plug-in block - UMSTBVK 2,5/19-G-5,08 - 1788282



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

---

## Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

### Accessories

Base strip - MSTBVK 2,5/19-G-5,08 - 1788897



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: DIN rail

Feed-through terminal block - ZFKK 1,5-MSTBV-5,08 - 1873016



Feed-through terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, Width: 5.08 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15

Base strip - MVSTBU 2,5/19-GB-5,08 - 1788703



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Feed-through terminal block - UK 3D-MSTBV-5,08 - 3002131



Feed-through terminal block, Connection method: Special and hybrid connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5

Feed-through terminal block - UK 3-MVSTB-5,08-LA 24RD - 3002102



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: gray

## Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

### Accessories

Feed-through terminal block - UK 3-MSTB-5,08 - 3002034



Feed-through terminal block, Connection method: Special and hybrid connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5

Double-level terminal block - UKK 3-MSTB-5,08 - 2770888



Double-level modular terminal block with COMBICON plug-in zone, nominal current: 12 A, nominal voltage: 250 V, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, mounting type: NS 35/7.5, NS 35/15, NS 32, pitch: 5.08 mm, width: 5.08, color: gray

Double-level terminal block - UKK 3-MSTBVH-5,08 - 2770846



Double-level terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: gray

Double-level terminal block - UKK 3-MSTB-5,08-PE - 1876615



Double-level terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow

Base strip - SMSTB 2,5/19-G-5,08 - 1769638



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

# Printed-circuit board connector - MSTBC 2,5/19-ST-5,08 - 1808984

## Accessories

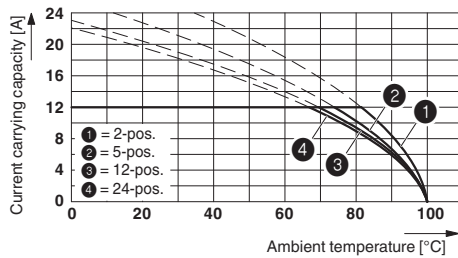
Printed-circuit board connector - ICC 2,5/19-STZ-5,08 - 1824010

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

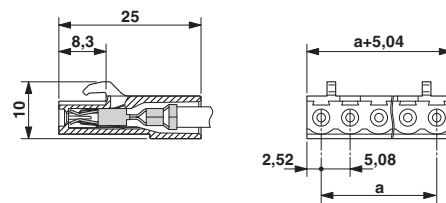


## Drawings

Diagram



Dimensioned drawing



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