Printed-circuit board connector - MSTBC 2,5/10-ST-5,08 - 1808890

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The illustration shows a 15-position version

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 10, 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

Product Features

- Compatible with MSTB 2,5 headers, IC 2,5 and ICC 2,5 plugs
- For conductor cross sections from 0.5 to 1.0 mm² (20 - 18 AWG) and currents up to 10 A
- Low design height of the MSTBC 2,5 plug range
- Plug-in direction parallel to the conductor axis

Key commercial data

package_quantity	50
GTIN	4017918047245

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	45.72 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_N	12 A
Nominal cross section	2.5 mm²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Number of positions	10

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Technical data

Connection data

Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	2.5 mm²
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	27440402

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

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

Approval details

CSA

Nominal voltage UN	300 V
Nominal current IN	10 A

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approvals

mm²/AWG/kcmil	20-14

UL Recognized

Usegroups	B	D
Nominal voltage UN	250 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	20-14	20-14

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	250 V
Nominal current IN	10 A
mm²/AWG/kcmil	0.5-1

cUL Recognized

Usegroups	B	D
Nominal voltage UN	250 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	20-14	20-14

IECEE CB Scheme

Nominal voltage UN	250 V
Nominal current IN	10 A
mm²/AWG/kcmil	0.5-1

CCA

Nominal voltage UN	250 V
Nominal current IN	10 A
mm²/AWG/kcmil	0.5-1

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approvals

cULus Recognized

accessories

Crimp contact

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



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



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



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



Crimping tool

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accessories

CRIMPFOX MT 2,5 - 1204038



Screwdriver tools

SZS 0,4X2,5 VDE - 1205037



Labeled terminal marker

SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Coding element

CP-MSTB - 1734634



accessories

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



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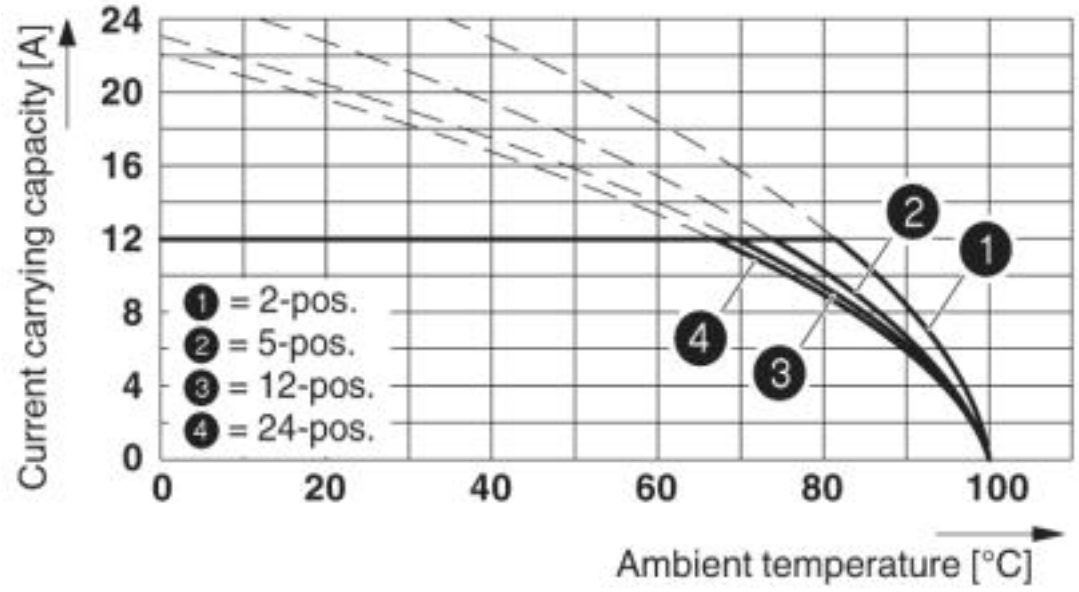
accessories

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



Drawings

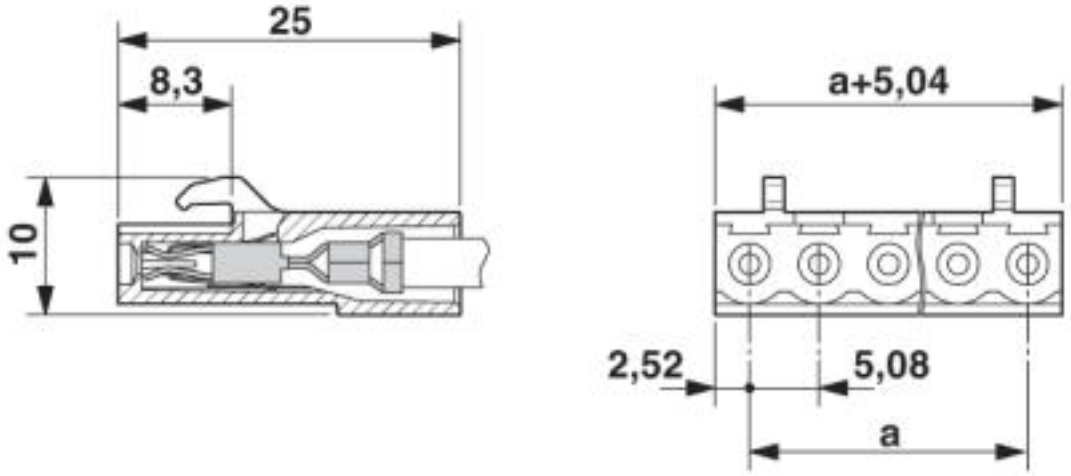
Diagram



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

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Dimensioned drawing



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