Printed-circuit board connector - MSTBC 2,5/ 5-ST-5,08 - 1808845

The illustration shows a 15-position version

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, 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

- 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

Packing unit	1
Minimum order quantity	50
Catalog page	Page 268 (CC-2011)
GTIN	4 017918 047191
Custom tariff number	85366990
Country of origin	POLAND

Technical data

Dimensions / positions

Pitch	5.08 mm
Dimension a	20.32 mm
Number of positions	5

Technical data

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/2)	320 V

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Technical data

Technical data

Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	12 A
Nominal voltage U_N	320 V
Nominal cross section	2.5 mm²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	10 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

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

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409
UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409

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

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Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

CSA

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

UL Recognized

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

VDE Gutachten mit Fertigungsüberwachung

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

cUL Recognized

	B	D
mm²/AWG/kcmil	20-14	20-14

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Approvals

	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

IECEE CB Scheme

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

GOST

cULus Recognized

Accessories

Accessories

Marking

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

Marker cards, 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

Plug/Adapter

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

Coding profile - CP-MSTB - 1734634

Keying profile, is inserted into the slot on the plug or inverted header, red insulating material

Tools

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

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Accessories

Screwdriver - SZS 0,4X2,5 VDE - 1205037

Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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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 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

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 mm² - 2.5 mm², Width: 5.08 mm, Color: gray, Mounting: NS 35/7.5, NS 35/15 / Ex data new / /

Feed-through terminal block - UKK 3-MSTB-5,08-PE - 1876615

Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 35/7.5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow

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Printed-circuit board connector - MSTBC 2,5/ 5-ST-5,08 - 1808845

Accessories

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 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7.5, Pitch: 5.08 mm, Width: 5.08, Color: gray

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

Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm² - 4 mm², 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 - 3002076

Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7.5, Pitch: 5.08 mm, Width: 5.1, Color: gray

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

Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm² - 4 mm², 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 mm² - 4 mm², AWG: 24 - 12, mounting type: NS 35/7.5, NS 35/15, NS 32, pitch: 5.08 mm, width: 5.08, color: gray

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Feed-through terminal block - UKK 3-MSTBVH-5,08 - 2770846

Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 35/7.5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: gray

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Accessories

Base strip - MSTBVK 2,5/ 5-G-5,08 - 1788758

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MVSTBU 2,5/ 5-GB-5,08 - 1788567

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Plug-in block - UMSTBVK 2,5/ 5-G-5,08 - 1788143

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MDSTBA 2,5/ 5-G-5,08 - 1842092

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: 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/ 5-G-5,08 - 1880339

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Printed-circuit board connector - MSTBC 2,5/ 5-ST-5,08 - 1808845

Accessories

Base strip - EMSTBVA 2,5/ 5-G-5,08 - 1859548

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in

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Printed-circuit board connector - FKIC 2,5/ 5-ST-5,08 - 1873388

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

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Base strip - MSTBA 2,5/ 5-G-5,08-LA - 1770973

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTBA 2,5/ 5-G-5,08 - 1757271

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTB 2,5/ 5-G-5,08-LA - 1770740

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - SMSTBA 2,5/ 5-G-5,08 - 1767407

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - MSTBC 2,5/ 5-ST-5,08 - 1808845

Accessories

Base strip - SMSTB 2,5/ 5-G-5,08 - 1769492

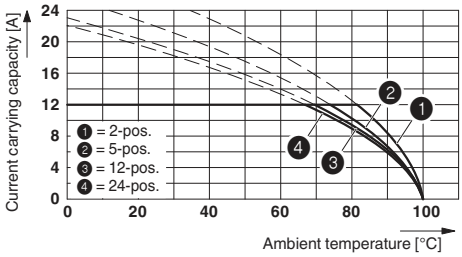
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - ICC 2,5/ 5-STZ-5,08 - 1823875

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] 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



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

Dimensioned drawing