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# Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Why buy this product

- The cable connection area for MSTBT 2,5/... is positioned lower than that of MSTB 2,5/...
- Plug-in direction parallel to the conductor axis



## Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 238 (CC-2011)
GTIN	 4 017918 040987
Custom tariff number	85366990
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Pitch	5.08 mm
Dimension a	35.56 mm
Number of positions	8
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Technical data

Range of articles	MSTBT 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

# Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

## Technical data

### Technical data

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 voltage U <sub>N</sub>	250 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A (with 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	12 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

# Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

## 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

## Approvals

### Approvals

#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / GOST / IEC CB Scheme / GOST

#### Ex Approvals

#### Approvals submitted

### Approval details

	B	D	
	mm <sup>2</sup> /AWG/kcmil	28-12	28-12
	Nominal current I <sub>N</sub>	10 A	10 A
	Nominal voltage U <sub>N</sub>	300 V	300 V

# Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

## Approvals

VDE Gutachten mit Fertigungsüberwachung

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

GOST

IECEE CB Scheme

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V

GOST

## 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

Coding profile - CP-MSTB - 1734634

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



## Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

### Accessories

#### Tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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Cable housing - KGG-MSTB 2,5/ 2 - 1803934



Cable housing, Pitch: 0 mm, Number of positions: 2, Dimension a: 10 mm, Color: green

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Cable housing - KGS-MSTB 2,5/ 8 - 1783779



Cable housing, Pitch: 0 mm, Number of positions: 8, Dimension a: 40 mm, Color: green

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Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

### 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 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, Width: 5.08 mm, Color: gray, Mounting: NS 35/7.5, NS 35/15 / Ex data new / /

## Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

### Accessories

#### 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 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: green-yellow

#### 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

#### Base strip - MSTBO 2,5/ 8-GR-5,08 - 1847165



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

#### Base strip - A-MSTBVA 2,5/ 8-G-5,08 - 1872525



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: DIN rail

#### Printed-circuit board connector - IC 2,5/ 8-ST-5,08 - 1786239



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

#### Base strip - MSTBW 2,5/ 8-G-5,08 - 1735824



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

## Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

### Accessories

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#### Base strip - MSTBVA 2,5/ 8-G-5,08 - 1755794



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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#### Base strip - MSTBV 2,5/ 8-G-5,08 - 1758076



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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#### Base strip - MSTBV 2,5/ 8-GEH-5,08 - 1808528



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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#### Base strip - MSTB 2,5/ 8-G-5,08 - 1759075



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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#### Base strip - MSTBA 2,5/ 8-G-5,08 THT - 1902806



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <http://www.combicon.com>

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## Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

### Accessories

Base strip - MSTBVA 2,5/ 8-G-5,08 THT - 1902877



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <http://www.combicon.com>

Base strip - DFK-MSTBVA 2,5/ 8-G-5,08 - 1899197



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBVA 2,5/ 8-G-5,08 - 1845390



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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 - MDSTBA 2,5/ 8-G-5,08 - 1842128



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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/ 8-G-5,08 - 1880368



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMSTBVA 2,5/ 8-G-5,08 - 1859577



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in

## Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

### Accessories

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Printed-circuit board connector - FKIC 2,5/ 8-ST-5,08 - 1873414



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

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Base strip - MSTBA 2,5/ 8-G-5,08-LA - 1771008



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTBA 2,5/ 8-G-5,08 - 1757307



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MSTB 2,5/ 8-G-5,08-LA - 1770779



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MDSTBV 2,5/ 8-G1-5,08 - 1762567



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: 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!

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# Plug - MSTBT 2,5/ 8-ST-5,08 - 1781043

## Accessories

Base strip - MDSTB 2,5/ 8-G1-5,08 - 1762431



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: 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 - SMSTBA 2,5/ 8-G-5,08 - 1767436



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - SMSTB 2,5/ 8-G-5,08 - 1769528



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - ICC 2,5/ 8-STZ-5,08 - 1823901



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 8, 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

Dimensioned drawing



