

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting




The figure shows a 10-position version of the product

Why buy this product

- Shock-proof connection block in combination with IC 2,5/...-ST-5,08
- Direct plug-in blocks with mounting flanges for screw connection on mounting plates or unit housing



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 048945
Weight per Piece (excluding packing)	8.58 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	15.24 mm

General

Range of articles	MSTBU 2,5/...-STD
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

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

Technical data

General

Nominal current I_N	12 A
Nominal cross section	2.5 mm ²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	4
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

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

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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	EC001284

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 / IECCE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 	B	D	
	mm ² /AWG/kcmil	28-12	28-12
	Nominal current I _N	10 A	10 A

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

Approvals

	B	D
Nominal voltage UN	300 V	300 V

UL Recognized

	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	12 A	10 A
Nominal voltage UN	250 V	300 V

VDE Gutachten mit Fertigungsüberwachung

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage UN	250 V

cUL Recognized

	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	12 A	10 A
Nominal voltage UN	250 V	300 V

IECEE CB Scheme

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage UN	250 V


CCA

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage UN	250 V

EAC

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

Approvals

cULus Recognized 

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



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

Insertion bridge - EBP 4- 5 - 1733185



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 4

Coding element

Coding profile - CP-MSTB - 1734634



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

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

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver 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

Terminal marking

Marker card - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

Additional products

Printed-circuit board connector - IC 2,5/ 4-ST-5,08 - 1786190



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Printed-circuit board connector - ICC 2,5/ 4-STZ-5,08 - 1823862



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, 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

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

Accessories

Printed-circuit board connector - FKIC 2,5/ 4-ST-5,08 - 1873375



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin

Base strip - MSTB 2,5/ 4-G-5,08 - 1759033



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBA 2,5/ 4-G-5,08 - 1757268



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBV 2,5/ 4-G-5,08 - 1758034



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBVA 2,5/ 4-G-5,08 - 1755752



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - MSTBU 2,5/ 4-STD-5,08 - 1824146

Accessories

Base strip - EMSTBVA 2,5/ 4-G-5,08 - 1859535



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in

Base strip - MSTBO 2,5/ 4-GR-5,08 - 1847123



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

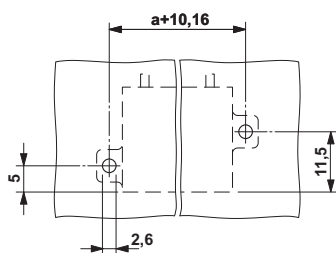
Base strip - MSTBO 2,5/ 4-GL-5,08 - 1850453



Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Drawings

Drilling diagram



Dimensioned drawing

