

Printed-circuit board connector - MSTB 2,5/12-ST BD:1-12 - 1765328

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

Key commercial data

Packing unit	0
Minimum order quantity	50
GTIN	 4 017918 215798
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	55 mm
Number of positions	12
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Range of articles	MSTB 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
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	12 A
Nominal voltage U _N	250 V
Nominal cross section	2.5 mm ²
Maximum load current	12 A (with 2.5 mm ² 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	300 V

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Technical data

Technical data

Nominal current, UL/CUL Use Group B	15 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	15 A

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.	1.5 mm ²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Classifications

eclass

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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Classifications

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 report with production monitoring / cUL Recognized / IECCE CB Scheme / GOST / 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
Nominal voltage U _N	300 V	300 V

UL Recognized 		
	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	15 A	15 A
Nominal voltage U _N	300 V	150 V

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Approvals

VDE report with production monitoring

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

cUL Recognized

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

IECEE CB Scheme

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	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

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Accessories

Plug/Adapter

Coding profile - CP-MSTB - 1734634



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

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

Cable housing - KGS-MSTB 2,5/12 - 1783818



Cable housing, Pitch: 0 mm, Number of positions: 12, Dimension a: 60 mm, Color: green

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

Base strip - DFK-MSTB 2,5/12-G - 0707196



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.

Printed-circuit board connector - MSTB 2,5/12-ST BD:1-12 - 1765328

Accessories

Base strip - MSTBW 2,5/12-G - 1736014

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



Base strip - MSTBVA 2,5/12-G - 1755600

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



Base strip - MSTBV 2,5/12-G - 1753631

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



Base strip - MSTB 2,5/12-G - 1754630

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



Housing - MDSTBVA 2,5/12-G - 1845882

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 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!



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Accessories

Housing - MDSTBA 2,5/12-G - 1846616



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 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 2,5/12-G - 1899948



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

Base strip - EMSTBVA 2,5/12-G - 1914959



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

Base strip - MSTBA 2,5/12-G-LA - 1770588



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

Base strip - MSTBA 2,5/12-G - 1757569



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

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Accessories

Base strip - MSTB 2,5/12-G-LA - 1768286



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

Base strip - MDSTBV 2,5/12-G1 - 1762949



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 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 - MDSTB 2,5/12-G1 - 1762790



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 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 2,5/12-G - 1769900



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

Base strip - SMSTB 2,5/12-G - 1769337



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