

Printed-circuit board connector - MSTB 2,5/23-ST - 1754863

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 029036
Weight per Piece (excluding packing)	37.74 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Width	114.95 mm
Pitch	5.00 mm
Dimension a	110 mm

General

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/3)	250 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 mm ²

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Technical data

General

Maximum load current	12 A (with a 2.5 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	23
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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG 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

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

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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	27440309

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 / VDE Gutachten mit Fertigungsüberwachung / IECCEB 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	15 A	10 A

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Approvals

	B	D
Nominal voltage UN	300 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

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

CCA

EAC

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

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



Cable housing

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Accessories

Cable housing - KGS-MSTB 2,5/23 - 1805644



Cable housing, Pitch: 0 mm, Number of positions: 23, Dimension a: 115 mm, Color: green

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

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

Additional products

Base strip - MSTBV 2,5/23-G - 1753851



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

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Accessories

Base strip - MSTB 2,5/23-G - 1754850

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MSTBVA 2,5/23-G - 1755710

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MSTBA 2,5/23-G - 1757679

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - SMSTBA 2,5/23-G - 1767355

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MSTB 2,5/23-G-LA - 1768396

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



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Accessories

Base strip - SMSTB 2,5/23-G - 1769447

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - MSTBA 2,5/23-G-LA - 1770698

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering



Base strip - EMSTBA 2,5/23-G - 1900057

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in



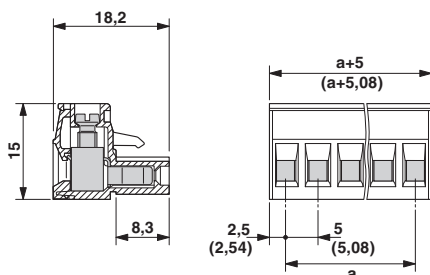
Base strip - EMSTBVA 2,5/23-G - 1915783

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 23, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in

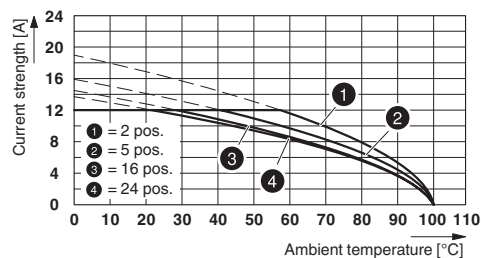


Drawings

Dimensional drawing



Diagram



Type: MSTB 2,5/...-ST with MSTBV 2,5/...-G

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