

Printed-circuit board connector - MVSTBW 2,5/20-ST - 1792702

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

The figure shows a 10-position version of the product

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Allows connection of two conductors
- ✓ Low temperature rise, thanks to maximum contact force



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 045135
GTIN	4017918045135
Weight per Piece (excluding packing)	43.640 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	26 mm
Width [w]	100 mm
Height [h]	12.5 mm
Pitch	5 mm
Dimension a	95 mm

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Technical data

General

Range of articles	MVSTBW 2,5/..-ST
Type of contact	Female connector
Number of positions	20
Connection method	Screw connection with tension sleeve
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
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
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

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Technical data

Connection data

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

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Classifications

UNSPSC

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

Approvals


Approvals


Approvals

VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / CSA / EAC / cULus Recognized

Ex Approvals

Approval details

VDE Gutachten mit Fertigungsüberwachung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701
mm ² /AWG/kcmil	0.2-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	250 V		

IECCEB Scheme		http://www.iecee.org/	DE1-58978-B1B2
mm ² /AWG/kcmil	0.2-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	250 V		

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Approvals

CSA		http://www.csagroup.org/services-industries/product-listing/	2585950
		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

EAC			B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
		B	D
mm ² /AWG/kcmil		30-12	30-12
Nominal current I _N		15 A	10 A
Nominal voltage U _N		300 V	300 V

Accessories

Accessories

Coding element

Coding star - CR-MSTB - 1734401

Coding section, inserted into the recess in the header or the inverted plug, red insulating material



Coding profile - CP-MSTB - 1734634

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



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Accessories

Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



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 mm, lettering field size: 5 x 3.8 mm

Marker pen

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 5/3,8:UNBEDRUCKT - 0805409



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: 5 x 3.8 mm

Additional products

Printed-circuit board connector - MVSTBW 2,5/20-ST - 1792702

Accessories

Base strip - MSTBW 2,5/20-G - 1735934

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBV 2,5/20-G - 1753796

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTB 2,5/20-G - 1754795

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBVA 2,5/20-G - 1755684

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBA 2,5/20-G - 1757640

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MVSTBW 2,5/20-ST - 1792702

Accessories

Base strip - MDSTB 2,5/20-G1 - 1762871



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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!

Housing - MDSTBV 2,5/20-G1 - 1763139



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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 - MSTB 2,5/20-G-LA - 1768367



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - SMSTB 2,5/20-G - 1769418



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - SMSTBA 2,5/20-G - 1769984



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Base strip - MSTBA 2,5/20-G-LA - 1770669



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - EMSTBA 2,5/20-G - 1900028



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

Housing - EMSTBVA 2,5/20-G - 1915042



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology
