Printed-circuit board connector - MVSTBW 2,5/ 9-ST - 1792595

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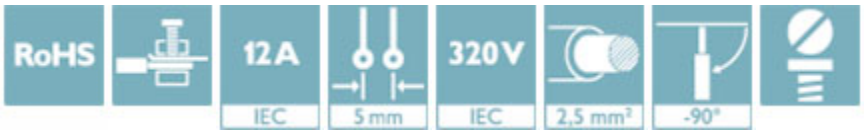
The figure shows a 10-position version of the product

Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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 045029
GTIN	4017918045029
Weight per Piece (excluding packing)	20.250 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	26 mm
Width [w]	45 mm
Height [h]	12.5 mm
Pitch	5 mm
Dimension a	40 mm

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Technical data

General

Range of articles	MVSTBW 2,5/..-ST
Type of contact	Female connector
Number of positions	9
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 mm²
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 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	1 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	1.5 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
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 / IECEE CB Scheme / CSA / EAC / cULus Recognized

Ex Approvals

Approval details

VDE Gutachten mit Fertigungsüberwachung	VDE	http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40004701

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-58978-B1B2

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

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Approvals

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

	B	D
mm²/AWG/kcmil	28-12	28-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
Nominal voltage UN	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/ 9-ST - 1792595

Accessories

Base strip - MSTBW 2,5/ 9-G - 1736043

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBV 2,5/ 9-G - 1753576

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTB 2,5/ 9-G - 1754575

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/ 9-G - 1755587

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 9-G - 1757530

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Base strip - MDSTB 2,5/ 9-G1 - 1762761

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, 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 - MDSTBV 2,5/ 9-G1 - 1762910

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, 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/ 9-G-LA - 1768257

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - SMSTB 2,5/ 9-G - 1769308

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Base strip - SMSTBA 2,5/ 9-G - 1769874

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - MVSTBW 2,5/ 9-ST - 1792595

Accessories

Base strip - MSTBA 2,5/ 9-G-LA - 1770559

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Base strip - MDSTBVA 2,5/ 9-G - 1845853

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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 - MDSTBV 2,5/ 9-G - 1846001

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. 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/ 9-G - 1846438

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1736771, 1736768. 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/ 9-G - 1846580

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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

Base strip - MDSTBW 2,5/ 9-G - 1846881

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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/ 9-G - 1899919

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Base strip - EMSTBVA 2,5/ 9-G - 1914920

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

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