

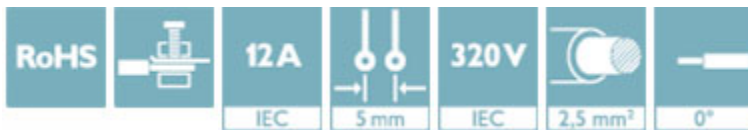
Printed-circuit board connector - MSTB 2,5/ 4-ST BK - 1756298

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin



The figure shows a 10-position version of the product



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 315498
GTIN	4017918315498
Weight per Piece (excluding packing)	6.940 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Pitch	5 mm
Dimension a	15 mm

General

Range of articles	MSTB 2,5/..-ST
Type of contact	Female connector
Number of positions	4
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	4 kV

Printed-circuit board connector - MSTB 2,5/ 4-ST BK - 1756298

Technical data

General

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 (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
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

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Technical data

Connection data

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

UNSPSC

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

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Approvals


Approvals


Approvals


CSA / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		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

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	

IECEE CB 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

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	15 A	
Nominal voltage U _N	300 V	150 V	

EAC		B.01742
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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 3- 5 - 1733172



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 3

Insertion bridge - EBP 4- 5 - 1733185



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

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Accessories

Cable housing

Cable housing - KGG-MSTB 2,5/ 4 - 1803882



Cable housing, pitch: 0 mm, number of positions: 4, dimension a: 20 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 5/3,8: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

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

Printed-circuit board connector - MSTB 2,5/ 4-ST BK - 1756298

Accessories

Printed-circuit board connector - DFK-MSTB 2,5/ 4-G - 0707125



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, connection method: Solder/Slip-on connection, color: green, contact surface: Tin, mounting: Direct mounting, accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.

Base strip - MSTBW 2,5/ 4-G - 1736098



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/ 4-G - 1755532



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBV 2,5/ 4-G - 1753479



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTB 2,5/ 4-G - 1754478



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Base strip - MDSTBVA 2,5/ 4-G - 1845808



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MDSTBA 2,5/ 4-G - 1846535



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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/ 4-G - 1899867



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBVA 2,5/ 4-G - 1914878



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

Base strip - MSTBA 2,5/ 4-G-LA - 1770504



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Printed-circuit board connector - MSTBA 2,5/ 4-G - 1757491

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTB 2,5/ 4-G-LA - 1768202

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MDSTBV 2,5/ 4-G1 - 1736739

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - MDSTB 2,5/ 4-G1 - 1736690

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, 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 - SMSTBA 2,5/ 4-G - 1769829

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



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Accessories

Printed-circuit board connector - SMSTB 2,5/ 4-G - 1769256

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

