

Printed-circuit board connector - SMSTB 2,5/12-ST - 1768859

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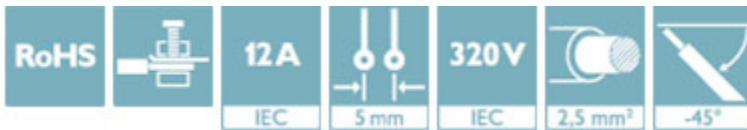
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin




The figure shows a 10-position version of the product

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction
- ✓ Angled conductor connection enables operation and conductor connection from one direction
- ✓ Low temperature rise, thanks to maximum contact force



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 034214
GTIN	4017918034214
Weight per Piece (excluding packing)	22.940 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.6 mm
Width [w]	59.95 mm
Height [h]	15.5 mm
Pitch	5 mm
Dimension a	55 mm

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Technical data

General

Range of articles	SMSTB 2,5/...-ST
Type of contact	Female connector
Number of positions	12
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 (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

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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

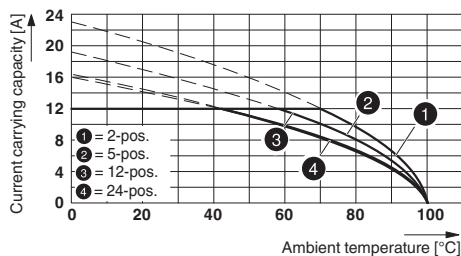
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

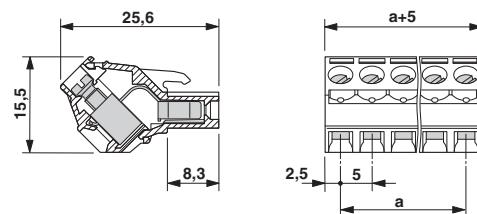
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Dimensional drawing



Type: SMSTB 2,5/...-ST(-5,08) with SMSTBA 2,5/...-G(-5,08)

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701

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Classifications

eCl@ss

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

Approvals


Approvals

Approvals

CSA / 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	15 A	10 A	
Nominal voltage U _N	300 V	300 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	10 A	
Nominal voltage U _N	300 V	300 V	

EAC		B.01742
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Accessories

Additional products

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, mounting: Wave 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, mounting: Wave 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, mounting: Wave soldering



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Accessories

Printed-circuit board connector - 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, mounting: Wave soldering



Printed-circuit board connector - 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, mounting: Wave soldering



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, 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 2,5/12-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, 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 2,5/12-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, mounting: Wave soldering



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Accessories

Printed-circuit board connector - 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, mounting: Wave soldering



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, mounting: Wave soldering



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, mounting: Wave 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, 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!



Housing - MDSTBV 2,5/12-G - 1846030

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 12, 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!



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Accessories

Housing - MDSTB 2,5/12-G - 1846467



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 12, 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!

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, 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!

Housing - MDSTBW 2,5/12-G - 1846917



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 12, 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 2,5/12-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, mounting: Press-in technology

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, mounting: Press-in technology

