

SMSTB 2,5/ 7-ST

Order No.: 1768817

The figure shows a 10-position version of the product



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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V,
Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn

Commercial data

GTIN (EAN)	4017918034177
sales group	E111
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.01344 KG
Catalog page information	Page 201 (CC-2009)

Product notes

WEEE/RoHS-compliant since:
01/01/2003



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Technical data

Dimensions / positions

Height	15.5 mm
Pitch	5 mm
Dimension a	30 mm
Number of positions	7
Screw thread	M3

Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Range of articles	SMSTB 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/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	12 A
Nominal voltage U_N	250 V
Nominal cross section	2.5 mm ²
Maximum load current	12 A (with 2.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class acc. to UL 94	V2
Internal cylindrical gage	A3
Stripping length	7 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	12 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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

Certificates / Approvals



Certification

CSA, CUL, GOST, UL

CSA

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	28-12

CUL

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	30-12

UL

Nominal voltage U _N	300 V
Nominal current I _N	10 A
AWG/kcmil	30-12

Accessories

Item	Designation	Description
Tools		
1205053	SZS 0,6X3,5	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

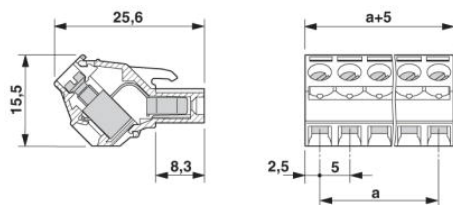
Additional products

Item	Designation	Description
General		
0707154	DFK-MSTB 2,5/ 7-G	Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.
1899896	EMSTBA 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Press-in
1914904	EMSTBVA 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Press-in
1762745	MDSTB 2,5/ 7-G1	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: 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!
1846564	MDSTBA 2,5/ 7-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: 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!
1762897	MDSTBV 2,5/ 7-G1	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: 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!

1845837	MDSTBVA 2,5/ 7-G	Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: 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!
1754533	MSTB 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1768231	MSTB 2,5/ 7-G-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1755493	MSTBA 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1770533	MSTBA 2,5/ 7-G-LA	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1753534	MSTBV 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1755561	MSTBVA 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1736069	MSTBW 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1769285	SMSTB 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering
1769858	SMSTBA 2,5/ 7-G	Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Metal surface: Sn, Assembly: Soldering

Diagrams/Drawings

Dimensioned drawing



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