Printed-circuit board connector - MSTBT 2,5 HC/ 6-ST - 1926277

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The figure shows a 10-position version of the product

Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, The T-shape of the MSTBT plug distributes the height uniformly over the upper and lower sides of the printed circuit board

Why buy this product

- Available as a T version (MSTBT 2,5 HC)
- CP-MSTB coding profiles as protection against mismatching
- The double steel spring provides additional safety, especially in the event of temperature and power fluctuations
- The "High Current" (HC) versions transmit a current of 16 A

Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 017918 811228
Weight per Piece (excluding packing)	10.12 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	5 mm
Dimension a	25 mm

General

Range of articles	MSTBT 2,5 HC/..-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

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Technical data

General

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	16 A
Nominal cross section	2.5 mm²
Maximum load current	16 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	6
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 stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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
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

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Technical data

Connection data

Maximum AWG according to UL/CUL	12

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

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

Approvals

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UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	16 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	16 A
Nominal voltage UN	250 V

cUL Recognized

	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	16 A	10 A
Nominal voltage UN	300 V	300 V

IECEE CB Scheme

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	16 A
Nominal voltage UN	250 V

CCA

mm²/AWG/kcmil	0.2-2.5
Nominal current IN	16 A
Nominal voltage UN	250 V

EAC

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Approvals

cULus Recognized

Accessories

Accessories

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: 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

Terminal marking

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906

Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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Accessories

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: 5 x 3.8 mm

Additional products

Base strip - MSTBA 2,5 HC/ 6-G - 1923791

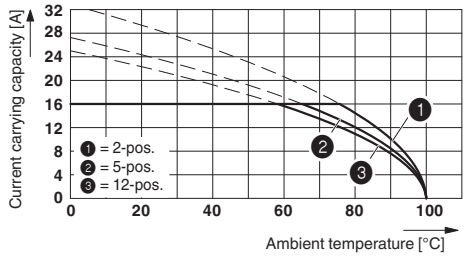
Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - MSTBVA 2,5 HC/ 6-G - 1924237

Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 6, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

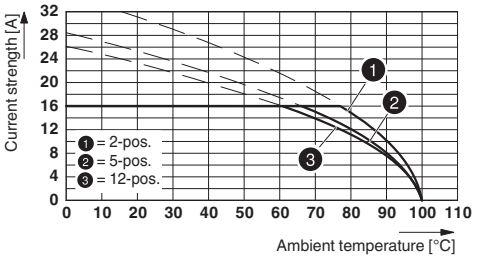
Drawings

Diagram



Type: MSTBT 2,5 HC/... -ST with MSTBVA 2,5 HC/..-G

Diagram



Type: MSTBT 2,5 HC/...-ST with MSTBA 2,5 HC/...-G

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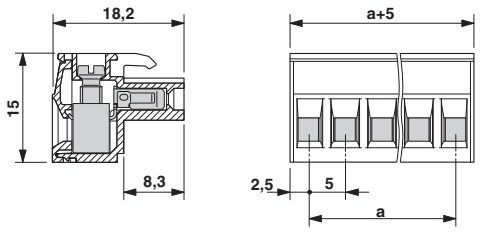
Dimensioned drawing



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