

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 7, 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



The figure shows a 10-position version of the product

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 811235
Weight per Piece (excluding packing)	11.68 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	5 mm
Dimension a	30 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

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

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 mm ²
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	7
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 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

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

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

Approvals

Approvals

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

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

Approvals

UL Recognized 		
	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current I _N	16 A	10 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	16 A
Nominal voltage U _N	250 V

cUL Recognized 		
	B	D
mm²/AWG/kcmil	30-12	30-12
Nominal current I _N	16 A	10 A
Nominal voltage U _N	300 V	300 V

IECEE CB Scheme 	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	16 A
Nominal voltage U _N	250 V

CCA	
mm²/AWG/kcmil	0.2-2.5
Nominal current I _N	16 A
Nominal voltage U _N	250 V

EAC

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

Approvals

cULus Recognized  US

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

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

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/ 7-G - 1923801



Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

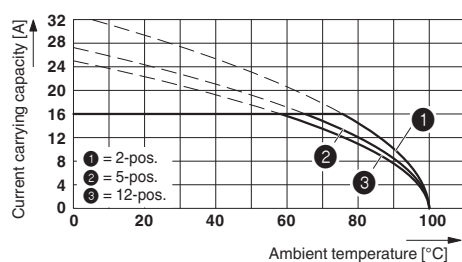
Base strip - MSTBVA 2,5 HC/ 7-G - 1924240



Header, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Soldering

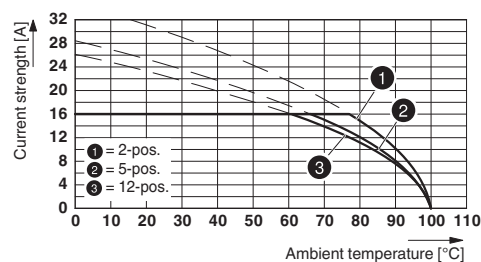
Drawings

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

Printed-circuit board connector - MSTBT 2,5 HC/ 7-ST - 1926280

Dimensioned drawing

