Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

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The figure shows the 10-position version

PCB connector, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Your advantages

- Well-known connection principle allows worldwide use
- Screwable flange for superior mechanical stability
- Low temperature rise, thanks to maximum contact force
- Potentials can be easily looped through – ideal for BUS applications

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 046356 156332
GTIN	4046356156332
Weight per Piece (excluding packing)	17.610 g
Custom tariff number	85366990
Country of origin	Slovakia

Technical data

Dimensions

Length [l]	19.6 mm
Width [w]	35.4 mm
Height [h]	25.8 mm
Pitch	5.08 mm

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Technical data

Dimensions

Dimension a	20.32 mm

General

Range of articles	TVMSTB 2,5/..-STF
Number of positions	5
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)	400 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 mm²
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
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 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG 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

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Technical data

Connection data

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

Standards and Regulations

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

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

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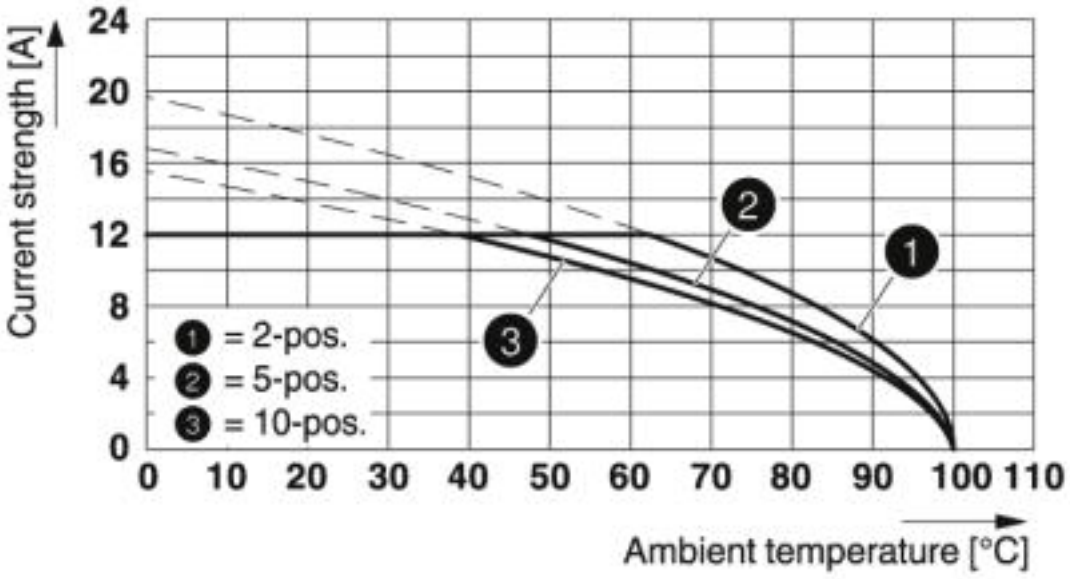
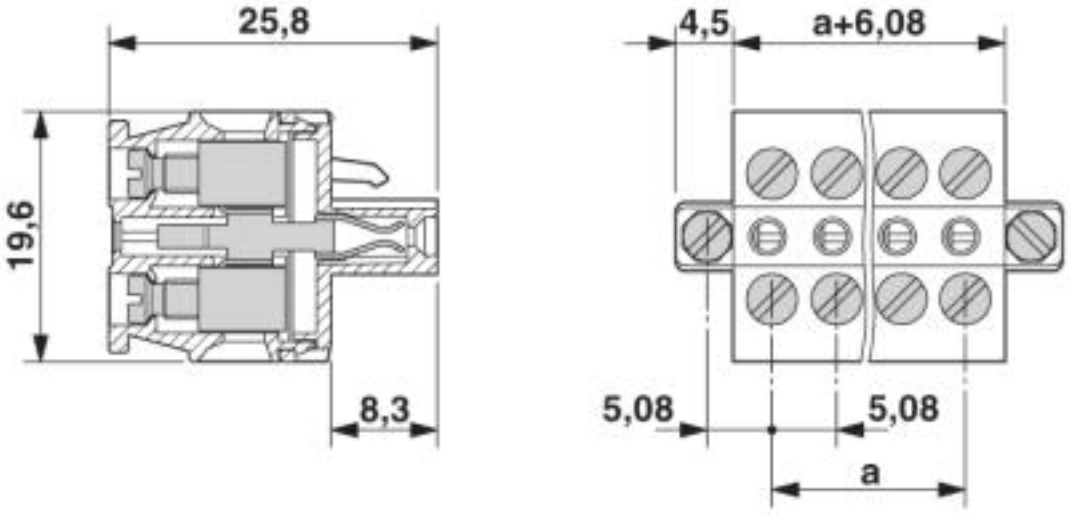
Diagram



Type: TVMSTB 2,5/...-STF-5,08 with MSTBV 2,5/...-GF-5,08

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Classifications

eCl@ss

eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	EC002638

UNSPSC

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

Approvals

Approvals

Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

Approval details

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-58421-B1B2

Nominal voltage UN	400 V

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Approvals

Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

VDE Gutachten mit Fertigungsüberwachung

http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx

40041286

Nominal voltage UN	400 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

EAC

B.01742

cULus Recognized

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

E60425-19931011

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

Accessories

Additional products

Feed-through header - MSTB 2,5/ 5-GF-5,08 - 1776537

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Accessories

Printed-circuit board connector - MSTBV 2,5/ 5-GF-5,08 - 1777109

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MDSTB 2,5/ 5-GF-5,08 - 1842393

PCB headers, nominal current: 10 A, number of positions: 5, pitch: 5.08 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!

Feed-through header - MDSTBV 2,5/ 5-GF-5,08 - 1845662

PCB headers, nominal current: 10 A, number of positions: 5, pitch: 5.08 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!

Printed-circuit board connector - DFK-MSTBA 2,5/ 5-GF-5,08 - 1899016

Feed-through header, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - DFK-MSTBVA 2,5/ 5-GF-5,08 - 1899317

Feed-through header, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Accessories

Feed-through header - MSTB 2,5/ 5-GF-5,08 THT - 1927593

PCB headers, number of positions: 5, pitch: 5.08 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Feed-through header - MSTBV 2,5/ 5-GF-5,08 THT BK - 1940923

PCB headers, number of positions: 5, pitch: 5.08 mm, color: black, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Printed-circuit board connector - CC 2,5/ 5-GF-5,08 P26THR - 1954728

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Printed-circuit board connector - CC 2,5/ 5-GF-5,08 P26THRR56 - 1954838

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Printed-circuit board connector - CCV 2,5/ 5-GF-5,08 P26THR - 1955662

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”

Printed-circuit board connector - TVMSTB 2,5/ 5-STF-5,08 - 1719121

Accessories

Printed-circuit board connector - CCV 2,5/ 5-GF-5,08 P26THRR56 - 1955772

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under “Downloads”