

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

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>)

PCB connector, 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

Your advantages

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Individual position coding by inserting coding profiles
- ✓ Standard plug-in system for 320 V (III/2)
- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Screwable flange for superior mechanical stability
- ✓ Allows connection of two conductors



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 042899
GTIN	4017918042899
Weight per Piece (excluding packing)	21.288 g
Custom tariff number	85366990
Country of origin	United States

Technical data

Dimensions

Length [l]	18.2 mm
Width [w]	70.01 mm

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Technical data

Dimensions

Height [h]	15 mm
Pitch	5 mm
Dimension a	55 mm

General

Range of articles	MSTB 2,5/...-STF
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

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Technical data

Connection data

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

Standards and Regulations

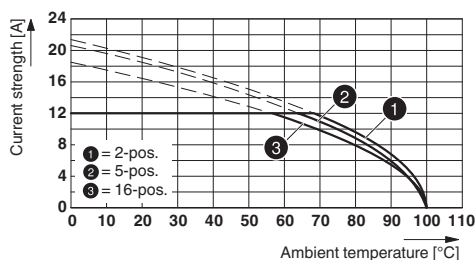
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

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

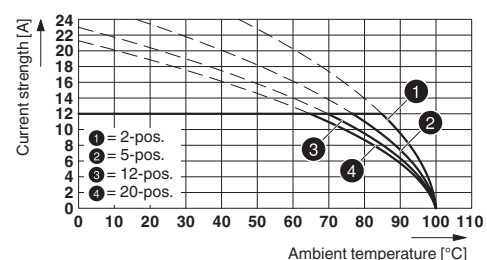
Drawings

Diagram



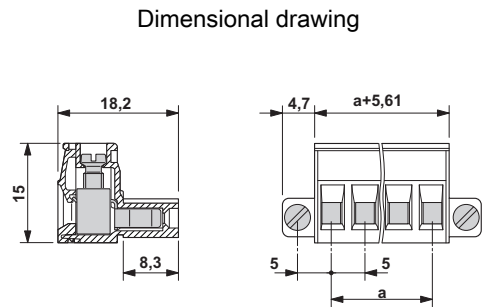
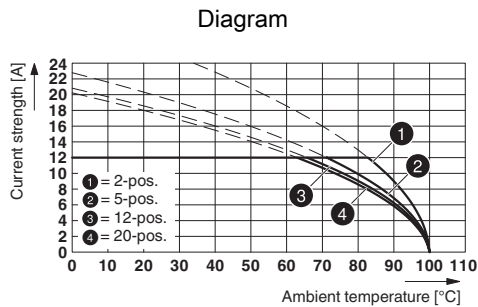
Type: MSTB 2,5/12-STF with DFK-MSTB 2,5/12-STF-GF

Diagram



Type: MSTB 2,5/12-STF with CC 2,5/12-STF-GF-LR P20 THR

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938



Type: MSTB 2,5/...-STF with CCV 2,5/...-GF-LR P20 THR

Classifications

eCl@ss

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

UNSPSC

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

Approvals

Approvals

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / cULus Recognized / EAC / DNV GL / RS

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	LR13631-2585950
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	15 A	
mm²/AWG/kcmil	28-12	28-12	

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40004701
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm²/AWG/kcmil	0.2-2.5		

IECEE CB Scheme		http://www.iecee.org/	DE1-58978-B1B2
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm²/AWG/kcmil	0.2-2.5		

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	D	B	
Nominal voltage UN	150 V	300 V	
Nominal current IN	15 A	15 A	

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Approvals

	D	B
mm²/AWG/kcmil	30-12	30-12

EAC		B.01742
-----	---	---------

DNV GL	http://exchange.dnv.com/tari/	TAE00001EY
--------	---	------------

RS		http://www.rs-head.spb.ru/en/index.php	17.00014.272
----	---	---	--------------

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

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

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Accessories

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 size: 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

Additional products

Feed-through header - MSTB 2,5/12-GF - 1776799



PCB headers, 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

Feed-through header - MSTBV 2,5/12-GF - 1776980



PCB headers, 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 - MDSTBV 2,5/12-GF - 1846182



PCB headers, 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!

Printed-circuit board connector - MSTB 2,5/12-STF - 1786938

Accessories

Housing - MDSTB 2,5/12-GF - 1846797



PCB headers, 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!

Feed-through header - EMSTB 2,5/12-GF - 1900170



PCB headers, 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

Feed-through header - EMSTBV 2,5/12-GF - 1915165



PCB headers, 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
