

Printed-circuit board connector - MSTB 2,5/20-ST - 1754805

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, 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

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 028978
GTIN	4017918028978
Weight per Piece (excluding packing)	32.830 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	18.2 mm
Width [w]	100 mm
Height [h]	15 mm
Pitch	5 mm
Dimension a	95 mm

General

Range of articles	MSTB 2,5/..-ST
Type of contact	Female connector

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Technical data

General

Number of positions	20
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
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

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Technical data

Connection data

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

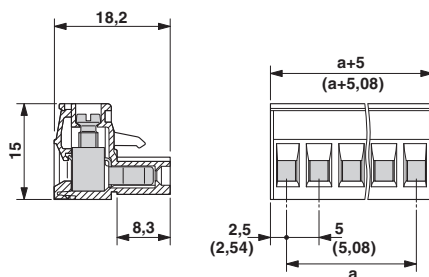
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

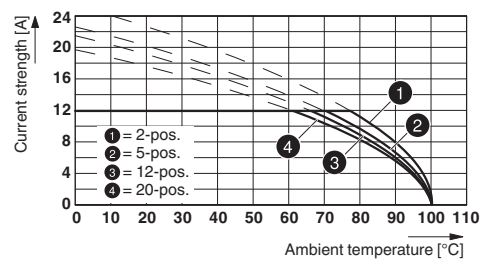
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

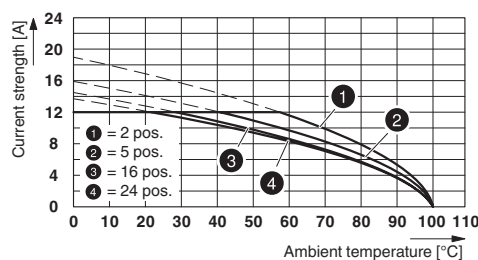


Diagram



Type: MSTB 2,5/...-ST with MSTBW 2,5/...-G

Diagram



Type: MSTB 2,5/...-ST with MSTBV 2,5/...-G

Approvals

Approvals

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Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / cULus Recognized / EAC

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		15 A	15 A
mm ² /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	
mm ² /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	
mm ² /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
mm ² /AWG/kcmil		30-12	30-12

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Approvals

EAC		B.01742
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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

Cable housing

Cable housing - KGS-MSTB 2,5/20 - 1805615



Cable housing, pitch: 0 mm, number of positions: 20, dimension a: 100 mm, color: green

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 size: 5 x 3.8 mm

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Accessories

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 - MSTBW 2,5/20-G - 1735934



PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MSTBV 2,5/20-G - 1753796



PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MSTB 2,5/20-G - 1754795



PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/20-G - 1755684



PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Printed-circuit board connector - MSTBA 2,5/20-G - 1757640

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MDSTB 2,5/20-G1 - 1762871

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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!



Housing - MDSTBV 2,5/20-G1 - 1763139

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave 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!



Feed-through header - MSTB 2,5/20-G-LA - 1768367

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - SMSTB 2,5/20-G - 1769418

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



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Accessories

Feed-through header - SMSTBA 2,5/20-G - 1769984

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBA 2,5/20-G-LA - 1770669

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - EMSTBA 2,5/20-G - 1900028

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology



Housing - EMSTBVA 2,5/20-G - 1915042

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

