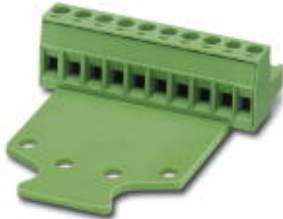


Printed-circuit board connector - MSTB 2,5/14-STZ-5,08 - 1764264

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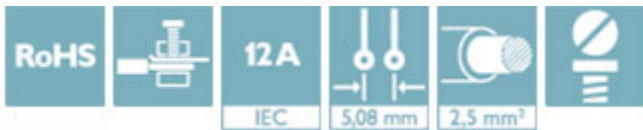


PCB connector, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin


The figure shows a 10-position version of the product

Your advantages

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Standard plug-in system for 320 V (III/2)
- ✓ Individual position coding by inserting coding profiles
- ✓ Well-known connection principle allows worldwide use
- ✓ Pull-out aid facilitates handling and allows the tensile force to be reduced at the contact point
- ✓ Allows connection of two conductors



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 031695
GTIN	4017918031695
Weight per Piece (excluding packing)	27.380 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	63.9 mm
Width [w]	71.12 mm

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Technical data

Dimensions

Height [h]	15.5 mm
Pitch	5.08 mm
Dimension a	66.04 mm

General

Range of articles	MSTB 2,5/..-STZ
Number of positions	14
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

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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

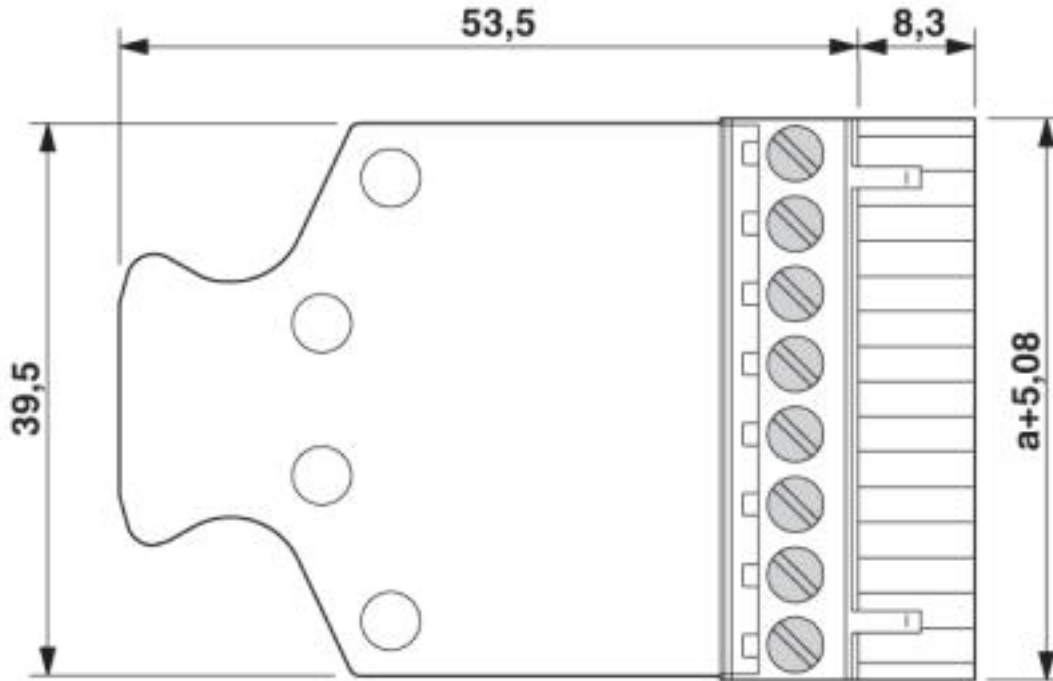
Environmental Product Compliance

	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

Printed-circuit board connector - MSTB 2,5/14-STZ-5,08 - 1764264

Dimensional drawing



The figure shows the dimensional drawing of the 9-pos. version of the product

Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
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

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Classifications

UNSPSC

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

Approvals


Approvals


Approvals

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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
		B	D
Nominal voltage UN		300 V	300 V
Nominal current IN		15 A	10 A
mm ² /AWG/kcmil		28-12	28-12

IECEE CB Scheme		http://www.iecee.org/	DE1-60988-B1B2
Nominal voltage UN		250 V	
Nominal current IN		12 A	
mm ² /AWG/kcmil		0.2-2.5	

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Approvals

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	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	B	D	
Nominal voltage UN	250 V	300 V	
Nominal current IN	12 A	10 A	
mm ² /AWG/kcmil	30-12	30-12	

Accessories

Accessories

Bridge

Insertion bridge - EBP 3- 5 - 1733172



Insertion bridge - EBP 4- 5 - 1733185



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Accessories

Insertion bridge - EBP 5- 5 - 1733198



Insertion bridge - EBP 6- 5 - 1733208



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 5,08/3,8:FORTL.ZAHLEN - 0804293



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: 5.08 mm, lettering field size: 5.08 x 3.8 mm

Marker for terminal blocks - SK 5,08/3,8: 0-9 - 0804303



Marker for terminal blocks, Card, white, labeled, Horizontal: consecutive numbers 0 ... 9, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 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

Terminal marking

Marker card - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

Additional products

Feed-through header - MSTBW 2,5/14-G-5,08 - 1735769



PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/14-G-5,08 - 1755859



PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/14-STZ-5,08 - 1764264

Accessories

Printed-circuit board connector - MSTBA 2,5/14-G-5,08 - 1757365

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBV 2,5/14-G-5,08 - 1758131

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTB 2,5/14-G-5,08 - 1759130

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MDSTB 2,5/14-G1-5,08 - 1762486

PCB headers, nominal current: 10 A, number of positions: 14, pitch: 5.08 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 - MDSTBV 2,5/14-G1-5,08 - 1762622

PCB headers, nominal current: 10 A, number of positions: 14, pitch: 5.08 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!



Printed-circuit board connector - MSTB 2,5/14-STZ-5,08 - 1764264

Accessories

Feed-through header - SMSTBA 2,5/14-G-5,08 - 1767494

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBA 2,5/14-G-5,08-LA - 1768066

PCB headers, number of positions: 14, pitch: 5.08 mm, color: green



Printed-circuit board connector - SMSTB 2,5/14-G-5,08 - 1769586

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBV 2,5/14-GEH-5,08 - 1808586

PCB headers, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - DFK-MSTBA 2,5/14-G-5,08 - 1898952



Feed-through header, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/14-STZ-5,08 - 1764264

Accessories

Printed-circuit board connector - DFK-MSTBVA 2,5/14-G-5,08 - 1899252



Feed-through header, nominal current: 12 A, number of positions: 14, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering