Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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

- 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	100 pc
GTIN	4 017918 029555
GTIN	4017918029555
Weight per Piece (excluding packing)	5.150 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	18.3 mm
Width [w]	15.24 mm
Height [h]	15 mm
Pitch	5.08 mm
Dimension a	10.16 mm

General

Range of articles	MSTB 2,5/..-ST
Number of positions	3

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Technical data

General

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 mm²
Maximum load current	12 A (with a 2.5 mm² 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 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
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

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Standards and Regulations

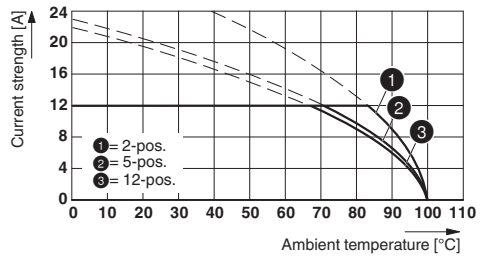
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

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”

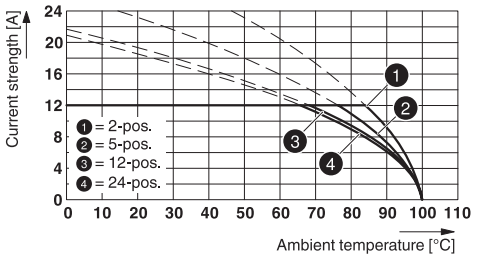
Drawings

Diagram



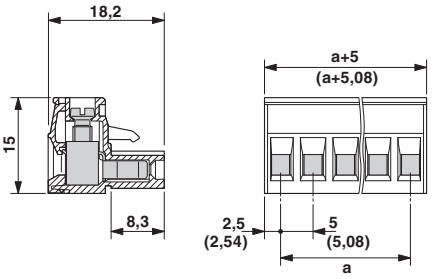
Type: MSTB 2,5/...-ST-5,08 with CC 2,5/...-G-5,08 P26THR

Diagram



Type: MSTB 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701

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Classifications

eCl@ss

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
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

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

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

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Approvals

IECEE CB Scheme	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

VDE Gutachten mit Fertigungsüberwachung	VDE	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

EAC	EAC	B.01742

cULus Recognized	cULus	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
mm²/AWG/kcmil	30-12	30-12

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

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Accessories

Insertion bridge - EBP 3- 5 - 1733172

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 3

Cable housing

Cable housing - KGG-MSTB 2,5/ 3 - 1803947

Cable housing, pitch: 0 mm, number of positions: 3, dimension a: 15 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 5,08/3,8: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 pen

Marker pen - B-STIFT - 1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022

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 U/2,8 WH:UNBEDRUCKT - 0803883

Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm

Additional products

Feed-through header - MSTBW 2,5/ 3-G-5,08 - 1735879

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MDSTBV 2,5/ 3-G1-5,08 - 1736742

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTBVA 2,5/ 3-G-5,08 - 1755749

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Printed-circuit board connector - MSTBA 2,5/ 3-G-5,08 - 1757255

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MSTBV 2,5/ 3-G-5,08 - 1758021

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MSTB 2,5/ 3-G-5,08 - 1759020

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MDSTB 2,5/ 3-G-5,08 - 1762075

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order no. 1736771, 1736768. In combination with MVSTB or FKCV plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!

Feed-through header - MDSTB 2,5/ 3-G1-5,08 - 1762376

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-ST-5,08 - 1757022

Accessories

Printed-circuit board connector - MDSTBV 2,5/ 3-G-5,08 - 1763087

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. 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 - SMSTBA 2,5/ 3-G-5,08 - 1767384

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - SMSTB 2,5/ 3-G-5,08 - 1769476

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MSTBA 2,5/ 3-G-5,08-LA - 1770957

PCB headers, number of positions: 3, pitch: 5.08 mm, color: green

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Feed-through header - MDSTBW 2,5/ 3-G-5,08 - 1802414

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Feed-through header - MDSTBA 2,5/ 3-G-5,08 - 1842076

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-G-5,08 - 1845345

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTBO 2,5/ 3-GR-5,08 - 1847110

PCB headers, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MSTBO 2,5/ 3-GL-5,08 - 1850440

PCB headers, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - EMSTBVA 2,5/ 3-G-5,08 - 1859522

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Feed-through header - MDSTBA 2,5/ 3-GL-5,08 - 1874714

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBA 2,5/ 3-GR-5,08 - 1874727

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-GL-5,08 - 1874756

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-GR-5,08 - 1874769

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - EMSTBA 2,5/ 3-G-5,08 - 1880313

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/ 3-G-5,08 - 1898842

Feed-through header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - DFK-MSTBVA 2,5/ 3-G-5,08 - 1899142

Feed-through header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 3-G-5,08 THT - 1902754

PCB headers, number of positions: 3, 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 - MSTBVA 2,5/ 3-G-5,08 THT - 1902822

PCB headers, number of positions: 3, 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 - MSTBA 2,5/ 3-G-5,08 THT-R32 - 1937240

PCB headers, number of positions: 3, 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 - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Printed-circuit board connector - MSTBVA 2,5/ 3-G-5,08 THT-R56 - 1940428

PCB headers, number of positions: 3, 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/ 3-G-5,08 P26THR - 1954391

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 1954595

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - CCA 2,5/ 3-G-5,08 P26THR - 1954922

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, connection method: Plug connection, 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 - CCA 2,5/ 3-G-5,08 P26THRR32 - 1955044

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 mm, connection method: Plug connection, 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 - MSTB 2,5/ 3-ST-5,08 - 1757022

Accessories

Printed-circuit board connector - CCV 2,5/ 3-G-5,08 P26THR - 1955390

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G-5,08 P26THRR32 - 1955536

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - CCVA 2,5/ 3-G-5,08 P26THR - 1955866

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - CCVA 2,5/ 3-G-5,08 P26THRR32 - 1955976

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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”