Printed-circuit board connector - MVSTBR 2,5/ 6-ST-5,08 - 1792281

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The figure shows a 10-position version of the product

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 044763
GTIN	4017918044763
Weight per Piece (excluding packing)	12.870 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	12.5 mm
Width [w]	30.48 mm
Height [h]	26 mm
Pitch	5.08 mm
Dimension a	25.4 mm

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Technical data

General

Range of articles	MVSTBR 2,5/..-ST
Number of positions	6
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

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Technical data

Connection data

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
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Standards and Regulations

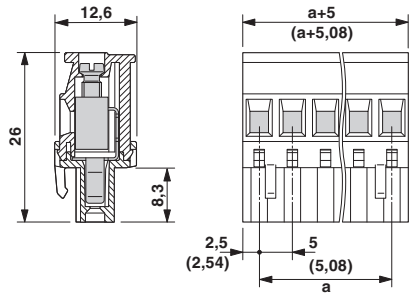
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

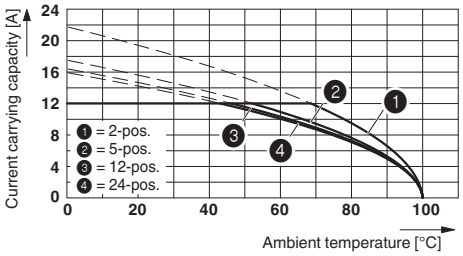
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Dimensional drawing



Diagram



Type: MVSTBR 2,5/...-ST(5,08) with MSTBA 2,5/...-G(-5,08)

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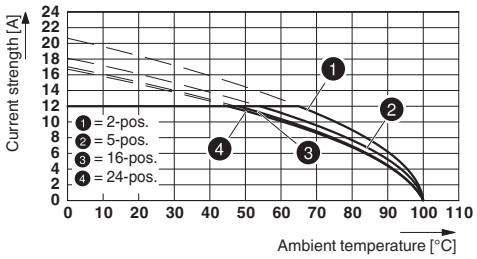
Diagram



Type: MVSTBR 2,5/...-ST-5,08 with MSTBVK 2,5/...-G-5,08

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

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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	10 A
mm²/AWG/kcmil	28-12	28-12

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

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

EAC		B.01742

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Approvals

cULus Recognized	c UL us	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011

	D	B
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	15 A
mm²/AWG/kcmil	30-12	30-12

Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material

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

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

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Accessories

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/ 6-G-5,08 - 1735840

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBVA 2,5/ 6-G-5,08 - 1755778

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 6-G-5,08 - 1757284

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MSTBV 2,5/ 6-G-5,08 - 1758050

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MVSTBR 2,5/ 6-ST-5,08 - 1792281

Accessories

Feed-through header - MSTB 2,5/ 6-G-5,08 - 1759059

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MDSTB 2,5/ 6-G1-5,08 - 1762415

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G1-5,08 - 1762541

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - SMSTBA 2,5/ 6-G-5,08 - 1767410

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - SMSTB 2,5/ 6-G-5,08 - 1769502

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - MVSTBR 2,5/ 6-ST-5,08 - 1792281

Accessories

Feed-through header - MSTBA 2,5/ 6-G-5,08-LA - 1770986

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MDSTBA 2,5/ 6-G-5,08 - 1842102

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MDSTBW 2,5/ 6-G-5,08 - 1842254

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MDSTB 2,5/ 6-G-5,08 - 1844977

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 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/ 6-G-5,08 - 1845374

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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!

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Accessories

Printed-circuit board connector - MDSTBV 2,5/ 6-G-5,08 - 1845523

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MSTBO 2,5/ 6-GR-5,08 - 1847149

PCB headers, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - MSTBO 2,5/ 6-GL-5,08 - 1850479

PCB headers, nominal current: 8 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Feed-through header - EMSTBVA 2,5/ 6-G-5,08 - 1859551

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Feed-through header - EMSTBA 2,5/ 6-G-5,08 - 1880342

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Press-in technology

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Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/ 6-G-5,08 - 1898871

Feed-through header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-MSTBVA 2,5/ 6-G-5,08 - 1899171

Feed-through header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - MSTBA 2,5/ 6-G-5,08 THT - 1902783

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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”

Feed-through header - MSTBVA 2,5/ 6-G-5,08 THT - 1902851

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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 - MSTBA 2,5/ 6-G-5,08 THT-R56 - 1937279

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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”

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Accessories

Feed-through header - MSTBVA 2,5/ 6-G-5,08 THT-R56 - 1940457

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THR - 1954511

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1954621

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THR - 1954951

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1955073

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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”

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Accessories

Printed-circuit board connector - CCV 2,5/ 6-G-5,08 P26THR - 1955426

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1955565

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THR - 1955895

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-G-5,08 P26THRR56 - 1956001

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, 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/ 6-GL-5,08P26THR - 1959943

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

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Accessories

Printed-circuit board connector - CCVA 2,5/ 6-GL-5,08P26THRR56 - 1960042

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

Printed-circuit board connector - CCVA 2,5/ 6-GR-5,08P26THR - 1960123

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.