

Printed-circuit board connector - MVSTBR 2,5/15-ST - 1792142

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

Why buy this product

- For larger numbers of positions up to 24-pos., visit: www.phoenixcontact.net/products
- MSTB plugs for vertical plug-in direction
- Conductor entry on the keying side of the plug



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 240 (CC-2011)
GTIN	 4 017918 044626
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	70 mm
Number of positions	15
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Range of articles	MVSTBR 2,5/...-ST
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV

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Technical data

Technical data

Rated surge voltage (II/2)	4 kV
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 voltage U_N	250 V
Nominal cross section	2.5 mm ²
Maximum load current	12 A (with 2.5 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	15 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	15 A

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil 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
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Minimum AWG according to UL/CUL	30

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Technical data

Connection data

Maximum AWG according to UL/CUL	12
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Classifications

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402

Approvals

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CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IEC CB Scheme / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - MVSTBR 2,5/15-ST - 1792142

Approvals

CSA

	B	D
mm ² /AWG/kcmil	28-12	28-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized

	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	15 A	10 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

cUL Recognized

	B	D
mm ² /AWG/kcmil	30-12	30-12
Nominal current I _N	15 A	10 A
Nominal voltage U _N	300 V	300 V

GOST

IECEE CB Scheme

mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

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Approvals



Accessories

Additional products

Base strip - DFK-MSTB 2,5/15-G - 0707222



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST and MSTBT 2,5/...ST.

Base strip - MSTBW 2,5/15-G - 1735989



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBVA 2,5/15-G - 1755639



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBV 2,5/15-G - 1753699



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Accessories

Base strip - MSTB 2,5/15-G - 1754698



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - EMSTBA 2,5/15-G - 1899977



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMSTBVA 2,5/15-G - 1914988



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - MSTBA 2,5/15-G-LA - 1770614



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBA 2,5/15-G - 1757598



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTB 2,5/15-G-LA - 1768312



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Accessories

Base strip - MDSTBV 2,5/15-G1 - 1762978



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: 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!

Base strip - MDSTB 2,5/15-G1 - 1762826



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: 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!

Base strip - SMSTBA 2,5/15-G - 1769939



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

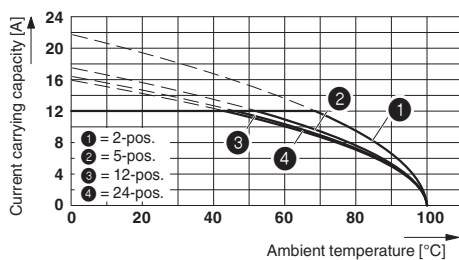
Base strip - SMSTB 2,5/15-G - 1769366



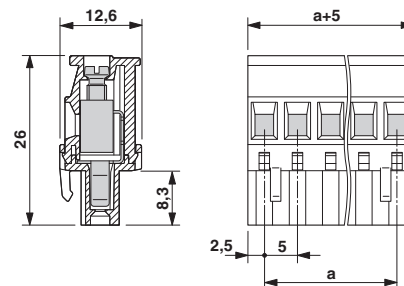
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 15, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Drawings

Diagram



Dimensioned drawing



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

