

Printed-circuit board connector - MVSTBR 2,5/14-ST-5,08 - 1792362

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 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 044848
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5.08 mm
Dimension a	66.04 mm
Number of positions	14
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

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Technical data

Technical data

Rated surge voltage (III/2)	4 kV
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

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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

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

Approvals

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

Ex Approvals

Approvals submitted

Approval details

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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

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Approvals

Nominal voltage UN	250 V
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Accessories

Additional products

Plug-in block - UMSTBVK 2,5/14-G-5,08 - 1788237



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MSTBVK 2,5/14-G-5,08 - 1788842



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Feed-through terminal block - UK 3D-MSTBV-5,08 - 3002131



Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7.5

Feed-through terminal block - UK 3-MVSTB-5,08-LA 24RD - 3002102



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7.5, Pitch: 5.08 mm, Width: 5.08, Color: gray

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Accessories

Feed-through terminal block - UK 3-MVSTB-5,08 - 3002076



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7.5, Pitch: 5.08 mm, Width: 5.1, Color: gray

Feed-through terminal block - ZFKK 1,5-MSTBV-5,08 - 1873016



Feed-through terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section: 0.2 mm² - 2.5 mm², Width: 5.08 mm, Color: gray, Mounting: NS 35/7.5, NS 35/15 / Ex data new / /

Base strip - MVSTBU 2,5/14-GB-5,08 - 1788651



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Base strip - EMSTBVA 2,5/14-G-5,08 - 1859632



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Printed-circuit board connector - FKIC 2,5/14-ST-5,08 - 1873472



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

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Accessories

Base strip - MSTBA 2,5/14-G-5,08-LA - 1768066



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBA 2,5/14-G-5,08 - 1757365



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTB 2,5/14-G-5,08-LA - 1770834



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBV 2,5/14-G1-5,08 - 1762622



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 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 2,5/14-G1-5,08 - 1762486



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 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!

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Accessories

Base strip - SMSTBA 2,5/14-G-5,08 - 1767494

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - SMSTB 2,5/14-G-5,08 - 1769586

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Printed-circuit board connector - ICC 2,5/14-STZ-5,08 - 1823969

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

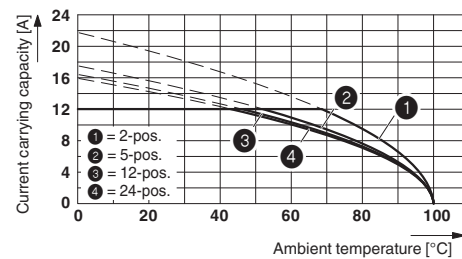


Drawings

Diagram

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

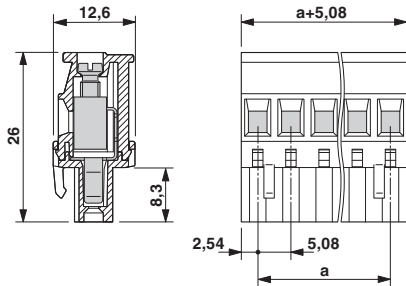
Diagram



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

Printed-circuit board connector - MVSTBR 2,5/14-ST-5,08 - 1792362

Dimensioned drawing



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