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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: phoenixcontact.net/products



Key commercial data

Packing unit	50 pc
GTIN	4 017918 045302
Weight per Piece (excluding packing)	28.81 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	66.04 mm

General

Range of articles	MVSTBW 2,5/ST
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



Technical data

General

Connection in acc. with standard	EN-VDE
Nominal current I _N	12 A
Nominal cross section	2.5 mm²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	14
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min. Conductor cross section solid max. Conductor cross section stranded min. Conductor cross section stranded max. Conductor cross section stranded max. Conductor cross section stranded, with ferrule without plastic sleeve min. Conductor cross section stranded, with ferrule without plastic sleeve min. Conductor cross section stranded, with ferrule without plastic sleeve min. 2.5 mm² 2.5 mm²	
Conductor cross section stranded min. Conductor cross section stranded max. Conductor cross section stranded, with ferrule without plastic sleeve min. Conductor cross section stranded, with ferrule without plastic sleeve 2.5 mm² 2.5 mm²	
Conductor cross section stranded max. Conductor cross section stranded, with ferrule without plastic sleeve min. Conductor cross section stranded, with ferrule without plastic sleeve 2.5 mm² 2.5 mm²	
Conductor cross section stranded, with ferrule without plastic sleeve min. Conductor cross section stranded, with ferrule without plastic sleeve 2.5 mm²	
min. 0.25 mm² Conductor cross section stranded, with ferrule without plastic sleeve 2.5 mm²	
1 2.5 mm	
Conductor cross section stranded, with ferrule with plastic sleeve min. 0.25 mm²	
Conductor cross section stranded, with ferrule with plastic sleeve max. 2.5 mm²	
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 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 mm ²	
Minimum AWG according to UL/CUL 30	
Maximum AWG according to UL/CUL 12	



Classifications

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
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

Approvals

Approvals

Approvals

 ${\tt UL\ Recognized\ /\ VDE\ Gutachten\ mit\ Fertigungs\"{u}berwachung\ /\ cUL\ Recognized\ /\ IECEE\ CB\ Scheme\ /\ CCA\ /\ CSA\ /\ EAC\ /\ cULus\ Recognized\ Necessaria (CCA)\ CSA\ /\ CSA\$

Ex Approvals

Approvals submitted

Approval details

UL Recognized %			
	В	D	
mm²/AWG/kcmil	30-12	30-12	
Nominal current IN	15 A	10 A	



Approvals

	В	D
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung	
mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

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

IECEE CB Scheme CB	
mm²/AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

CCA		
mm²/AWG/kcmil	0.2-2.5	
Nominal current IN	12 A	
Nominal voltage UN	250 V	

CSA 4		
	В	D
mm²/AWG/kcmil	28-12	28-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

		$\neg \neg$
EAC		



Approvals

cULus Recognized Sus

Accessories

Accessories

Coding element

Coding star - CR-MSTB - 1734401



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

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: 5.08 x 3.8 mm

Marker pen

Marker pen - B-STIFT - 1051993



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

Screwdriver tools



Accessories

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: 5.08 x 3.8 mm

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, Mounting: 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, Mounting: DIN rail

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, Number of positions: 1, Pitch: 5.08 mm, Width: 5.1, Color: gray



Accessories

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



Feed-through terminal block, Connection method: Special and hybrid connection, Number of positions: 1, 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



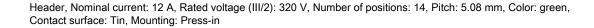
Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: gray

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, Mounting: Direct mounting

Base strip - EMSTBA 2,5/14-G-5,08 - 1880423





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, Mounting: Press-in



Accessories

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



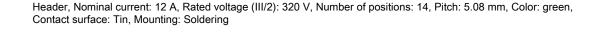
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 14, Pitch: 5.08 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin

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, Mounting: Soldering

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





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, Mounting: 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, Mounting: 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!



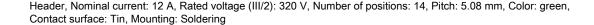
Accessories

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, Mounting: 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 2,5/14-G-5,08 - 1767494





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, Mounting: Soldering



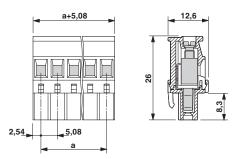
Printed-circuit board connector - ICC 2,5/14-STZ-5,08 - 1823969



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

Dimensioned drawing





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