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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin


The figure shows a 10-position version of the product

Product Features

- ✓ 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 rippled side of the plug



Key commercial data

Packing unit	1 PCE
GTIN	 4 017918 045043
Custom tariff number	85366990
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	50 mm
Number of positions	11
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Technical data

Range of articles	MVSTBW 2,5/...-ST
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Technical data

Technical data

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/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
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

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Technical data

Connection data

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
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

Approvals

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

Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Approvals

Ex Approvals

Approvals submitted

Approval details

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		
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Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Approvals

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

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

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

cULus Recognized	
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Accessories

Accessories

Marking

Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Accessories

Marker cards - SK 5/3,8:UNBEDRUCKT - 0805409



Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5 mm

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm

Marker pen - B-STIFT - 1051993



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

Plug/Adapter

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

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Accessories

Tools

Phillips-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

Additional products

Base strip - DFK-MSTB 2,5/11-G - 0707183



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, 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 2,5/11-G - 1736027



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBVA 2,5/11-G - 1755590



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBV 2,5/11-G - 1753615



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Accessories

Base strip - MSTB 2,5/11-G - 1754614



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBVA 2,5/11-G - 1845879



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: 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!

Base strip - MDSTBA 2,5/11-G - 1846603



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: 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!

Base strip - EMSTBA 2,5/11-G - 1899935



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Base strip - EMSTBVA 2,5/11-G - 1914946



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Accessories

Base strip - MSTBA 2,5/11-G-LA - 1770575



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBA 2,5/11-G - 1757556



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTB 2,5/11-G-LA - 1768273



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBV 2,5/11-G1 - 1762936



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 11, 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 2,5/11-G1 - 1762787



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 11, 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!

Printed-circuit board connector - MVSTBW 2,5/11-ST - 1792618

Accessories

Base strip - SMSTBA 2,5/11-G - 1769890

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - SMSTB 2,5/11-G - 1769324

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 11, Pitch: 5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Drawings

Dimensioned drawing

