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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

#### **Product Features**

- ☑ Plug-in direction parallel to the conductor axis
- ☑ Individual position coding by inserting coding profiles
- ☑ Standard plug-in system for 320 V (III/2)



## Key commercial data

Packing unit	1 PCE
GTIN	4 017918 034412
Custom tariff number	85366990
Country of origin	POLAND

### Technical data

#### **Dimensions**

Pitch	5.08 mm
Dimension a	40.64 mm

#### General

Range of articles	MSTBP 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



## Technical data

### General

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 <sub>N</sub>	12 A
Nominal cross section	2.5 mm²
Maximum load current	12 A (with 2.5 mm² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Number of positions	9
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

0.2 mm <sup>2</sup>
2.5 mm²
0.2 mm <sup>2</sup>
2.5 mm²
. 0.25 mm <sup>2</sup>
c. 2.5 mm²
0.25 mm <sup>2</sup>
2.5 mm²
24
12
0.2 mm²
1 mm²
0.2 mm <sup>2</sup>
1.5 mm²
0.25 mm <sup>2</sup>
1 mm²
0.5 mm <sup>2</sup>
1.5 mm <sup>2</sup>



## Technical data

### Connection data

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	27440402

### **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

 $CSA \ / \ UL \ Recognized \ / \ VDE \ Gutachten \ mit \ Fertigungs \"{u}berwachung} \ / \ cUL \ Recognized \ / \ GOST \ / \ IECEE \ CB \ Scheme \ / \ GOST \ / \ CCA \ / \ cULus \ Recognized$ 

Ex Approvals

Approvals submitted



# Approvals

## Approval details

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

UL Recognized <b>5</b>		
	В	D
mm²/AWG/kcmil	30-12	30-12
Nominal current IN	15 A	10 A
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

GOST C		



# Approvals

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

GOST 🖭		

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

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### Accessories

Accessories

Plug/Adapter

Reducing plug - RPS - 0201647



Reducing plug, Color: gray



#### Accessories

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

### Additional products

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 / /

Feed-through terminal block - UKK 3-MSTB-5,08-PE - 1876615



Feed-through terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow



#### Accessories

Base strip - MSTBVK 2,5/ 9-G-5,08 - 1788790



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: DIN rail

Base strip - MVSTBU 2,5/ 9-GB-5,08 - 1788606



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

Plug-in block - UMSTBVK 2,5/ 9-G-5,08 - 1788185



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: 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

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



#### Accessories

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

Feed-through terminal block - UK 3-MSTB-5,08 - 3002034



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

Double-level terminal block - UKK 3-MSTB-5,08 - 2770888



Double-level modular terminal block with COMBICON plug-in zone, nominal current: 12 A, nominal voltage: 250 V, cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, mounting type: NS 35/7.5, NS 35/15, NS 32, pitch: 5.08 mm, width: 5.08, color: gray

Feed-through terminal block - UKK 3-MSTBVH-5,08 - 2770846



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 35/7,5, NS 35/15, NS 32, Number of positions: 1, Pitch: 5.08 mm, Width: 5.08, Color: gray

Printed-circuit board connector - FKIC 2,5/ 9-ST-5,08 - 1873427



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin



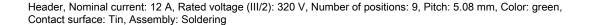
#### Accessories

Base strip - MSTBA 2,5/ 9-G-5,08-LA - 1768011



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MSTBA 2,5/ 9-G-5,08 - 1757310





Base strip - MSTB 2,5/ 9-G-5,08-LA - 1770782



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

Base strip - MDSTBV 2,5/ 9-G1-5,08 - 1762570



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 9, 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/ 9-G1-5,08 - 1762444

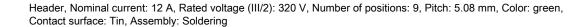


Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!



### Accessories

Base strip - SMSTBA 2,5/ 9-G-5,08 - 1767449





Base strip - SMSTB 2,5/ 9-G-5,08 - 1769531

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering



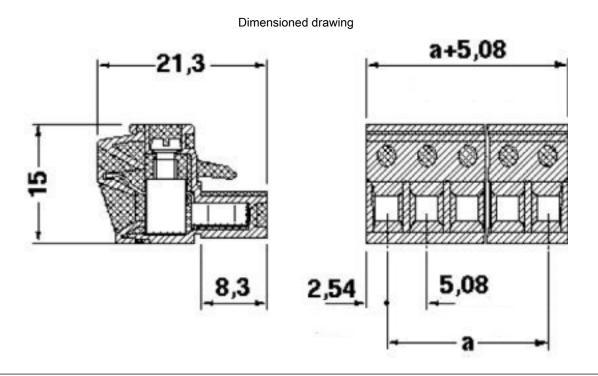
Printed-circuit board connector - ICC 2,5/ 9-STZ-5,08 - 1823914



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, 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**





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