

# Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: 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!


The figure shows a 10-position version of the product

## Why buy this product

- Plug-in direction vertical to the PCB
- Double-level header with offset levels
- Improved view and access to lower level
- High contact density



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 184247
Weight per Piece (excluding packing)	17.72 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Length	23.7 mm
Pitch	5.08 mm
Dimension a	55.88 mm
Pin dimensions	1 x 1 mm
Hole diameter	1.4 mm

### General

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

# Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

## Technical data

### General

Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	10 A
Maximum load current	10 A
Insulating material	PBT
Inflammability class according to UL 94	V0
Color	green
Number of positions	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	EC002637
ETIM 5.0	EC002637

### UNSPSC

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

## Approvals

### Approvals

### Approvals

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

# Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

## Approvals

Ex Approvals

Approvals submitted

### Approval details

UL Recognized		
	B	D
Nominal current IN	12 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung	
Nominal current IN	10 A
Nominal voltage UN	250 V

cUL Recognized		
	B	D
Nominal current IN	12 A	10 A
Nominal voltage UN	300 V	300 V


IECEE CB Scheme	
Nominal current IN	10 A
Nominal voltage UN	250 V

CCA	
Nominal current IN	10 A
Nominal voltage UN	250 V

## Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

### Approvals

EAC

cULus Recognized 

### 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

#### Filler plug

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green 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 for terminal blocks - SK 5,08/3,8: 0-9 - 0804303



Marker for terminal blocks, Card, white, labeled, Horizontal: Consecutive numbers 0 - 9, Mounting type: Adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

## Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

### Accessories

#### 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

---

#### 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

Printed-circuit board connector - MSTBP 2,5/12-ST-5,08 - 1769117



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

---

Printed-circuit board connector - FKC 2,5/12-ST-5,08 - 1873155



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

---

Printed-circuit board connector - FKCVR 2,5/12-ST-5,08 - 1874057

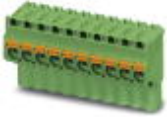


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin

## Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

### Accessories

Printed-circuit board connector - FKCVW 2,5/12-ST-5,08 - 1873757



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

Printed-circuit board connector - SMSTB 2,5/12-ST-5,08 - 1826380



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

Printed-circuit board connector - MSTBC 2,5/12-STZ-5,08 - 1809608



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

Printed-circuit board connector - MVSTBW 2,5/12-ST-5,08 - 1792854



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

Base strip - IC 2,5/12-G-5,08 - 1786501



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

## Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

### Accessories

Base strip - ICV 2,5/12-G-5,08 - 1786048



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

---

Printed-circuit board connector - MSTBT 2,5/12-ST-5,08 - 1781085



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

---

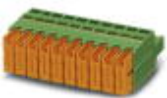
Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217



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

---

Printed-circuit board connector - QC 1/12-ST-5,08 - 1883705



Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

---

Printed-circuit board connector - FRONT-MSTB 2,5/12-ST-5,08 - 1777387



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

---

## Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

### Accessories

Printed-circuit board connector - MSTB 2,5/12-STZ-5,08 - 1764280



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

Printed-circuit board connector - MSTB 2,5/12-ST-5,08 - 1757116



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

Base strip - A-ICV 2,5/12-G-5,08 - 1872790



Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 12, Pitch: 5.08 mm, Color: green

Printed-circuit board connector - MVSTBR 2,5/12-ST-5,08 - 1792346



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

Printed-circuit board connector - MSTBC 2,5/12-ST-5,08 - 1808913



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm<sup>2</sup>] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte

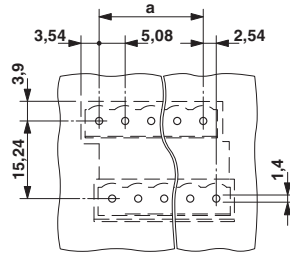
### Drawings

# Housing - MDSTBVA 2,5/12-G-5,08 - 1845439

Diagram

Type:  
FKC  
2,5/...-  
ST-5,08  
with  
MDSTBVA  
2,5/...-  
G-5,08

Drilling diagram



Dimensioned drawing

