

## Base strip - MDSTBVA 2,5/ 3-G-5,08 - 1845345

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The figure shows a 10-position version of the product

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Wave 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!

### Product Features

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



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 5.36 g   |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 23.7 mm  |
| Pitch                    | 5.08 mm  |
| Dimension a              | 10.16 mm |
| Constructional height    | 22 mm    |
| Length of the solder pin | 3.9 mm   |
| Pin dimensions           | 1 x 1 mm |
| Hole diameter            | 1.4 mm   |

#### General

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### Technical data

#### 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              |
| 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 $I_N$                  | 10 A              |
| Maximum load current                   | 10 A              |
| Insulating material                    | PBT               |
| Flammability rating according to UL 94 | V0                |
| Color                                  | green             |
| Number of positions                    | 3                 |

#### Standards and Regulations

|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### 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 |
| eCl@ss 9.0 | 27440402 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

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### Classifications

#### UNSPSC

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

### Approvals

#### Approvals

##### Approvals

VDE Gutachten mit Fertigungsüberwachung / IECEx CB Scheme / EAC / cULus Recognized / EAC

##### Ex Approvals

##### Approvals submitted

### Approval details

|                                                                                                                             |       |
|-----------------------------------------------------------------------------------------------------------------------------|-------|
| VDE Gutachten mit Fertigungsüberwachung  |       |
| Nominal current I <sub>N</sub>                                                                                              | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                                              | 250 V |

|                                                                                                     |       |
|-----------------------------------------------------------------------------------------------------|-------|
| IECEx CB Scheme  |       |
| Nominal current I <sub>N</sub>                                                                      | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                      | 250 V |

|     |
|-----|
| EAC |
|-----|

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### Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| Nominal current I <sub>N</sub> | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|     |
|-----|
| EAC |
|-----|

### 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

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### Accessories

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

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### 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

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### 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

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### Additional products

Printed-circuit board connector - TVMSTB 2,5/ 3-ST-5,08 - 1719011



Plug component, Nominal current: 12 A, Rated voltage (III/2): 400 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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### Accessories

#### Printed-circuit board connector - FKCN 2,5/ 3-ST-5,08 - 1754571



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MSTB 2,5/ 3-ST-5,08 - 1757022



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MSTBP 2,5/ 3-ST-5,08 - 1769023



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - FRONT-MSTB 2,5/ 3-ST-5,08 - 1777293



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Front screw connection, Color: green, Contact surface: Tin

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### Accessories

#### Printed-circuit board connector - MSTBT 2,5/ 3-ST-5,08 - 1779990



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MVSTBR 2,5/ 3-ST-5,08 - 1792252



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MVSTBW 2,5/ 3-ST-5,08 - 1792760



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - MSTBC 2,5/ 3-ST-5,08 - 1808829



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, 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 - MSTBC 2,5/ 3-STZ-5,08 - 1809514



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, 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

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### Accessories

#### Printed-circuit board connector - MSTBU 2,5/ 3-STD-5,08 - 1824133



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin, Mounting: Direct mounting

#### Printed-circuit board connector - MSTBU 2,5/ 3-ST-5,08-FL - 1824366



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

#### Printed-circuit board connector - SMSTB 2,5/ 3-ST-5,08 - 1826296



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

#### Printed-circuit board connector - TMSTBP 2,5/ 3-ST-5,08 - 1853023



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin, The plug allows conductors to be looped through from module to module.

#### Printed-circuit board connector - FK2 2,5/ 3-ST-5,08 - 1873061



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - MDSTBVA 2,5/ 3-G-5,08 - 1845345

### Accessories

Printed-circuit board connector - FKCVW 2,5/ 3-ST-5,08 - 1873663



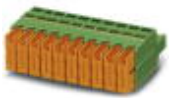
Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCVR 2,5/ 3-ST-5,08 - 1873964



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - QC 1/ 3-ST-5,08 - 1883268



Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Displacement connection, Color: green, Contact surface: Tin

Printed-circuit board connector - FKCT 2,5/ 3-ST-5,08 - 1902123



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

Printed-circuit board connector - TFKC 2,5/ 3-ST-5,08 - 1962613



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Base strip - MDSTBVA 2,5/ 3-G-5,08 - 1845345

### Accessories

Printed-circuit board connector - FKCS 2,5/ 3-ST-5,08 - 1975082

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

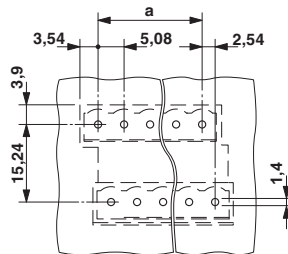


### Drawings

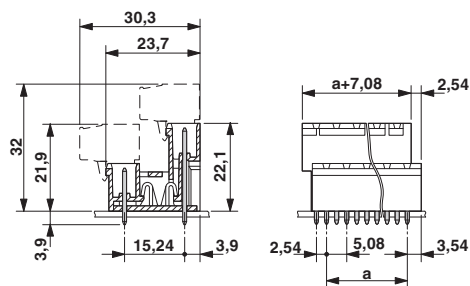
#### Diagram

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

#### Drilling diagram



#### Dimensional drawing



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