

## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

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Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Press-in



The figure shows a 10-position version of the product

### Why buy this product

- Press-in tools available on request
- Pin strips with ERNI-PRESS flexible press-in zone
- Processing according to EN 60352-5



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 50                                                                                                      |
| Catalog page           | Page 285 (CC-2011)                                                                                      |
| GTIN                   | <br>4 017918 132941 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                     |          |
|---------------------|----------|
| Length              | 8.6 mm   |
| Pitch               | 5.08 mm  |
| Dimension a         | 10.16 mm |
| Number of positions | 3        |
| Pin dimensions      | 1,7 mm   |
| Hole diameter       | 1.75 mm  |

#### Technical data

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

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## Technical data

### Technical data

|                                         |        |
|-----------------------------------------|--------|
| Rated surge voltage (II/2)              | 4 kV   |
| Rated voltage (III/2)                   | 320 V  |
| Rated voltage (II/2)                    | 320 V  |
| Connection in acc. with standard        | EN-VDE |
| Nominal current I <sub>N</sub>          | 12 A   |
| Nominal voltage U <sub>N</sub>          | 200 V  |
| Maximum load current                    | 12 A   |
| Insulating material                     | PBT    |
| Inflammability class according to UL 94 | V0     |
| Color                                   | green  |
| Nominal voltage, UL/CUL Use Group B     | 300 V  |
| Nominal current, UL/CUL Use Group B     | 12 A   |
| Nominal voltage, UL/CUL Use Group D     | 300 V  |
| Nominal current, UL/CUL Use Group D     | 12 A   |

## Classifications

### eclass

|            |          |
|------------|----------|
| 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 |

### 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

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### Approvals

UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IEC CB Scheme / GOST / cULus Recognized

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## Approvals

Ex Approvals

Approvals submitted

### Approval details

UL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 12 A  | 12 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 150 V |

VDE report with production monitoring

|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

cUL Recognized

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

GOST

IECEE CB Scheme

|                                |       |
|--------------------------------|-------|
| Nominal current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

GOST

## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

### Approvals

cULus Recognized 

### Accessories

#### Accessories

#### Assembly

Accessories - EMSTB 2,5-SH - 1877203



Stamp holder, for upper and lower stamp

Assembly adapters - EMSTBVA 2,5-SS-1-5,08 - 1877216



Stamp set, consisting of an upper and lower stamp, upper stamp: 2 to 16-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm

Accessories - EMSTBVA 2,5-SS-2-5,08 - 1877229

Stamp set, consisting of an upper and lower stamp, upper stamp: 17 to 24-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm

Accessories - MSTB-BL - 1755477



Keying cap, for forming sections, plugs onto header pin, green insulating material

- EMSTBVA 2,5-SS-3-5,0 - 1914810

Stamp set, consisting of an upper and lower stamp, upper stamp: 17 to 24-pos., lower stamp: 2 to 24-pos., pitch: 5.0 mm

### Marking

## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

### Accessories

Marker cards - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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: 5.08 mm

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### Plug/Adapter

Keying star - CR-MSTB - 1734401



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

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### Additional products

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, Color: green, Contact surface: Tin

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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: Spring-cage conn., Color: green, Contact surface: Tin

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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: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin

## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

### Accessories

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: Spring-cage conn., Color: green, Contact surface: Tin

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: Spring-cage conn., Color: green, Contact surface: Tin

Printed-circuit board connector - FKC 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: Spring-cage conn., Color: green, Contact surface: Tin

Feed-through terminal block - ZFKK 1,5-ICV-5,08 - 1873029



Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, Width: 5.1 mm, Color: gray, Mounting: NS 35/15, NS 35/7.5 / Ex data new / /

Base strip - A-ICV 2,5/ 3-G-5,08 - 1872703



Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 3, Pitch: 5.08 mm, Color: green

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, Color: green, Contact surface: Tin, The plug allows conductors to be looped through from module to module.

## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

### Accessories

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#### 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, Color: green, Contact surface: Tin



#### 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



#### 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 - 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, 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, Color: green, Contact surface: Tin



## Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

### Accessories

#### Base strip - IC 2,5/ 3-G-5,08 - 1786417

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering



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#### 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: Screw connection, Color: green, Contact surface: Tin



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#### Plug - 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, Color: green, Contact surface: Tin



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#### 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, Color: green, Contact surface: Tin



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#### 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, Color: green, Contact surface: Tin, Assembly: Direct mounting



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#### 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, Color: green, Contact surface: Tin





# Base strip - EMSTBVA 2,5/ 3-G-5,08 - 1859522

## Accessories

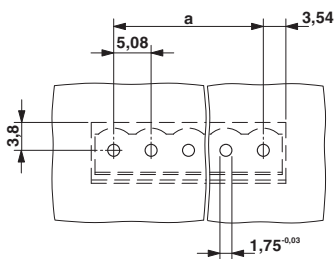
Base strip - ICV 2,5/ 3-G-5,08 - 1785955



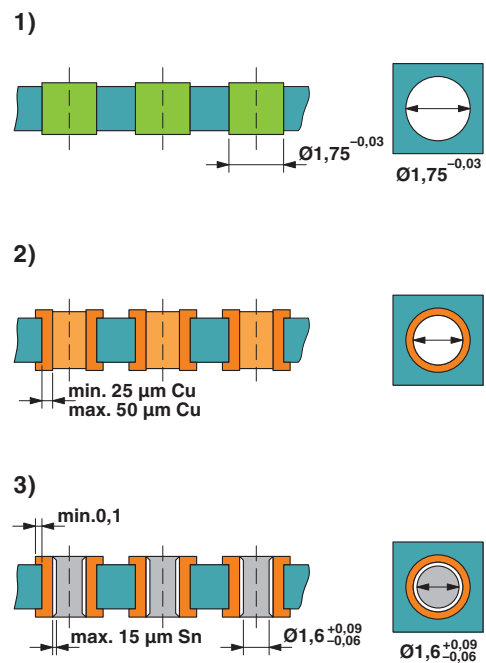
Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Assembly: Soldering

## Drawings

Drilling diagram



Drilling diagram



Drill hole layout in FR4 or EP-GC basic material