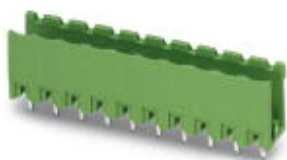


## Base strip - MSTBV 2,5/10-G - 1753592

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>)

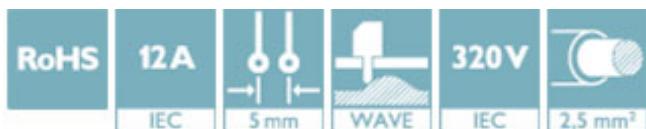
Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies
- ✓ Well-known mounting principle allows worldwide use
- ✓ Vertical connection enables multi-row arrangement on the PCB



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 100 STK                                                                                                 |
| GTIN                                 | <br>4 017918 028459 |
| GTIN                                 | 4017918028459                                                                                           |
| Weight per Piece (excluding packing) | 3.380 g                                                                                                 |
| Custom tariff number                 | 85366930                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length [ l ]             | 8.6 mm   |
| Pitch                    | 5 mm     |
| Dimension a              | 45 mm    |
| Width [ w ]              | 50 mm    |
| Constructional height    | 12 mm    |
| Height [ h ]             | 15.9 mm  |
| Length of the solder pin | 3.9 mm   |
| Pin dimensions           | 1 x 1 mm |
| Hole diameter            | 1.4 mm   |

## Base strip - MSTBV 2,5/10-G - 1753592

### Technical data

#### General

|                                        |                 |
|----------------------------------------|-----------------|
| Range of articles                      | MSTBV 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 $I_N$                  | 12 A            |
| Maximum load current                   | 12 A            |
| Insulating material                    | PA              |
| Flammability rating according to UL 94 | V0              |
| Color                                  | green           |
| Number of positions                    | 10              |

#### Standards and Regulations

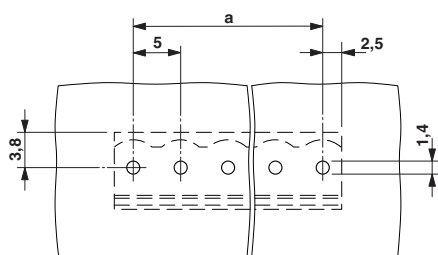
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CSA    |
| Flammability rating according to UL 94 | V0     |

#### Environmental Product Compliance

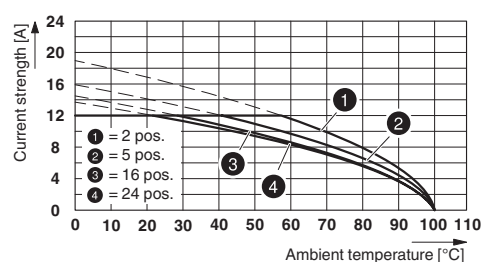
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

Drilling diagram



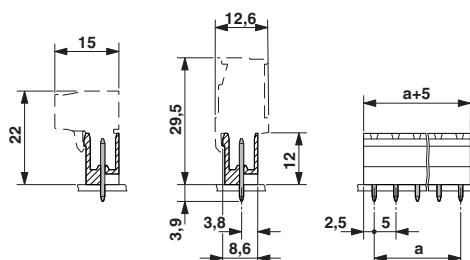
Diagram



Type: MSTB 2,5/...-ST with MSTBV 2,5/...-G

## Base strip - MSTBV 2,5/10-G - 1753592

Dimensional drawing



### 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 |
| ETIM 6.0 | EC002637 |

UNSPSC

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

### Approvals

Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / cULus Recognized / EAC

Ex Approvals

## Base strip - MSTBV 2,5/10-G - 1753592

### Approvals

#### Approval details

|                                |                                                                                   |       |
|--------------------------------|-----------------------------------------------------------------------------------|-------|
| CSA                            |  | 13631 |
|                                | B                                                                                 | D     |
| Nominal current I <sub>N</sub> | 12 A                                                                              | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 300 V |

|                                            |                                                                                   |                                                                                                                                                                                                              |          |
|--------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/<br/>VDE-approved-products/Pages/Online-Search.aspx</a> | 40004701 |
|                                            |                                                                                   |                                                                                                                                                                                                              |          |
| Nominal current I <sub>N</sub>             |                                                                                   | 12 A                                                                                                                                                                                                         |          |
| Nominal voltage U <sub>N</sub>             |                                                                                   | 250 V                                                                                                                                                                                                        |          |

|                                |                                                                                     |                                                           |                |
|--------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
| IECEE CB Scheme                |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58978-B1B2 |
|                                |                                                                                     |                                                           |                |
| Nominal current I <sub>N</sub> |                                                                                     | 12 A                                                      |                |
| Nominal voltage U <sub>N</sub> |                                                                                     | 250 V                                                     |                |

|                                |                                                                                     |                                                                                                                                                       |                 |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized               |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19931011 |
|                                | B                                                                                   | D                                                                                                                                                     |                 |
| Nominal current I <sub>N</sub> | 12 A                                                                                | 10 A                                                                                                                                                  |                 |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 V                                                                                                                                                 |                 |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| EAC |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|---------|

### Accessories

Accessories

Coding element

## Base strip - MSTBV 2,5/10-G - 1753592

### Accessories

Coding star - CR-MSTB - 1734401



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

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### Filler plug

Accessories - MSTB-BL - 1755477



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

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### Labeled terminal marker

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



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 mm, Lettering field: 5 x 3.8 mm

---

### Additional products

Printed-circuit board connector - TVFKC 1,5/10-ST - 1713910



Plug component, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

---

Printed-circuit board connector - TVFKCL 1,5/10-ST - 1716001



Plug component, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

## Base strip - MSTBV 2,5/10-G - 1753592

### Accessories

Plug - QC 1,5/10-ST - 1718041



Plug component, nominal current: 12 A, rated voltage (III/2): 630 V, number of positions: 10, pitch: 5 mm, connection method: Displacement connection, Color: green, contact surface: Tin

---

Printed-circuit board connector - FKCN 2,5/10-ST - 1732823



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

---

Printed-circuit board connector - MSTB 2,5/10-ST - 1754601



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - MSTB 2,5/10-STZ - 1759004



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

---

Printed-circuit board connector - MSTBP 2,5/10-ST - 1765852



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

## Base strip - MSTBV 2,5/10-G - 1753592

### Accessories

#### Printed-circuit board connector - SMSTB 2,5/10-ST - 1768833



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

#### Printed-circuit board connector - FRONT-MSTB 2,5/10-ST - 1779495



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Front screw connection, Color: green, contact surface: Tin

#### Printed-circuit board connector - MSTBT 2,5/10-ST - 1779916



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

#### Printed-circuit board connector - MVSTBR 2,5/10-ST - 1792090



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

#### Printed-circuit board connector - MVSTBW 2,5/10-ST - 1792605



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Screw connection with tension sleeve, Color: green, contact surface: Tin

## Base strip - MSTBV 2,5/10-G - 1753592

### Accessories

#### Printed-circuit board connector - FKCT 2,5/10-ST - 1909294



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

---

#### Printed-circuit board connector - FKCVR 2,5/10-ST - 1909799



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

---

#### Printed-circuit board connector - FKCVW 2,5/10-ST - 1910115



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

---

#### Printed-circuit board connector - FKC 2,5/10-ST - 1910432



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin

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#### Printed-circuit board connector - FKCS 2,5/10-ST - 1974818



Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 10, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin