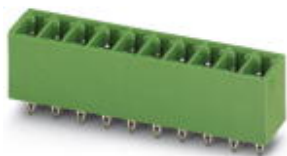


## Header - EMCV 1,5/ 4-G-3,81 - 1860663

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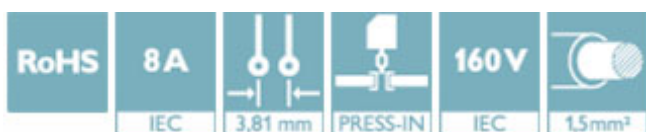
PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 4, pitch: 3.81 mm, color: green, contact surface: Tin, mounting: Press-in technology



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Long-term stable press-in connection ensures high holding force without thermal load
- ✓ Vertical connection enables multi-row arrangement on the PCB
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 STK                                                                                                  |
| GTIN         | <br>4 017918 133252 |
| GTIN         | 4017918133252                                                                                           |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length [ l ]             | 7.25 mm      |
| Pitch                    | 3.81 mm      |
| Dimension a              | 11.43 mm     |
| Width [ w ]              | 16.63 mm     |
| Constructional height    | 10 mm        |
| Height [ h ]             | 13 mm        |
| Length of the solder pin | 3.8 mm       |
| Pin dimensions           | 0,8 x 0,8 mm |
| Hole diameter            | 1.45 mm      |

#### General

|                   |                |
|-------------------|----------------|
| Range of articles | EMCV 1,5/...-G |
|-------------------|----------------|

## Header - EMCV 1,5/ 4-G-3,81 - 1860663

### Technical data

#### General

|                                        |        |
|----------------------------------------|--------|
| Insulating material group              | IIIa   |
| Rated surge voltage (III/3)            | 2.5 kV |
| Rated surge voltage (III/2)            | 2.5 kV |
| Rated surge voltage (II/2)             | 2.5 kV |
| Rated voltage (III/3)                  | 160 V  |
| Rated voltage (III/2)                  | 160 V  |
| Rated voltage (II/2)                   | 250 V  |
| Connection in acc. with standard       | EN-VDE |
| Nominal current $I_N$                  | 8 A    |
| Maximum load current                   | 8 A    |
| Insulating material                    | PBT    |
| Flammability rating according to UL 94 | V0     |
| Color                                  | green  |
| Number of positions                    | 4      |

#### Standards and Regulations

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

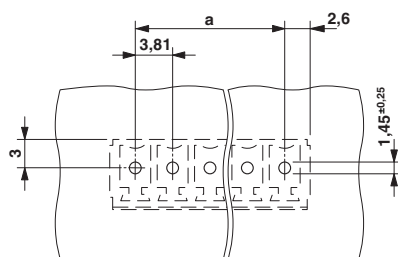
#### Environmental Product Compliance

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

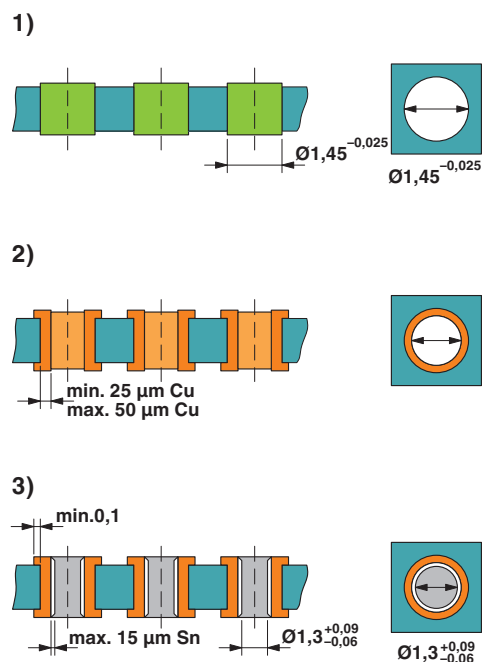
### Drawings

## Header - EMCV 1,5/ 4-G-3,81 - 1860663

Drilling diagram



Drilling diagram



Drill hole layout in FR4 or EP-GC basic material

### Approvals

#### Approvals

Approvals

cULus Recognized / EAC

Ex Approvals

#### Approval details

|                                |                                                                                     |                                                                                                                                                       |                 |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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> | E60425-20110128 |
|                                | B                                                                                   | D                                                                                                                                                     |                 |
| Nominal current I <sub>N</sub> | 8 A                                                                                 | 8 A                                                                                                                                                   |                 |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 V                                                                                                                                                 |                 |

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

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