

## Printed-circuit board connector - MCDNV 1,5/ 3-G1-3,5 P14THR - 1952982

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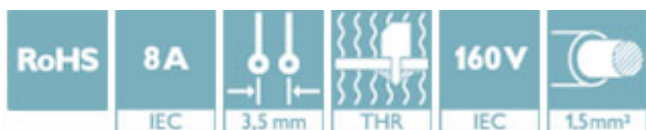


PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 3, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: Downloads".

The figure shows a 10-pos. version with 20 contacts

### Your advantages

- ✓ Designed for integration into the SMT soldering process
- ✓ 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
- ✓ Conductor connection on several levels enables higher contact density



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 017918 920180 |
| GTIN         | 4017918920180                                                                                           |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length [ l ]             | 15.2 mm      |
| Width                    | 12 mm        |
| Pitch                    | 3.5 mm       |
| Dimension a              | 7 mm         |
| Width [ w ]              | 12 mm        |
| Height [ h ]             | 14.7 mm      |
| Height                   | 13.3 mm      |
| Length of the solder pin | 1.4 mm       |
| Pin dimensions           | 0.8 x 0.8 mm |
| Pin spacing              | 3.50 mm      |

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## Technical data

### Dimensions

|        |         |
|--------|---------|
| Length | 15.2 mm |
|--------|---------|

### General

|                                        |                      |
|----------------------------------------|----------------------|
| Range of articles                      | MCDNV 1,5/...-G1-THR |
| 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 (per position)   |
| Insulating material                    | LCP                  |
| Flammability rating according to UL 94 | V0                   |
| Color                                  | black                |
| Number of positions                    | 3                    |

### Standards and Regulations

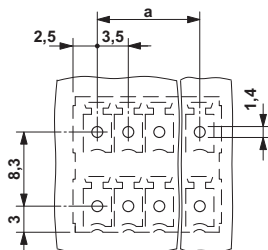
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

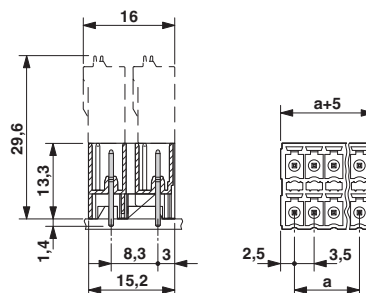
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram



Dimensional drawing



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## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

|                    |                                                                                   |                                                           |                |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60987-B1B2 |
| Nominal voltage UN | 160 V                                                                             |                                                           |                |
| Nominal current IN | 8 A                                                                               |                                                           |                |

|                                            |                                                                                     |                                                                                                                                                                                                                |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/<br/>VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40011723 |
| Nominal voltage UN                         | 160 V                                                                               |                                                                                                                                                                                                                |          |
| Nominal current IN                         | 8 A                                                                                 |                                                                                                                                                                                                                |          |

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

|                    |                                                                                     |                                                                                                                                                       |                 |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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 |
|                    | D                                                                                   | B                                                                                                                                                     |                 |
| Nominal voltage UN | 150 V                                                                               | 150 V                                                                                                                                                 |                 |
| Nominal current IN | 8 A                                                                                 | 8 A                                                                                                                                                   |                 |

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