

# Header - MCDNV 1,5/16-G1-3,5 RNP14THR - 1952649

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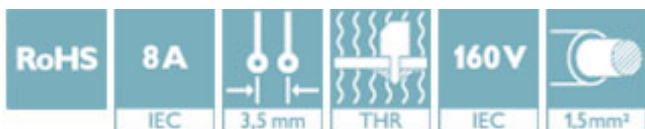


PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 16, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, Article with engagement nose. The pin length is 14 mm. User information and design recommendations on Through Hole Reflow Technology can be found at "Downloads"


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

## Why buy this product

- Designed for integration into the SMT soldering process
- Intuitive locking mechanism prevents accidental disconnection
- Vertical connection enables multi-row arrangement on the PCB



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 STK  |
| GTIN         | <br>4 017918 919757 |
| GTIN         | 4017918919757   |

## Technical data

### Dimensions

|                          |           |
|--------------------------|-----------|
| Length [ l ]             | 15.2 mm   |
| Pitch                    | 3.5 mm    |
| Dimension a              | 52.5 mm   |
| Width [ w ]              | 59.7 mm   |
| Constructional height    | 13.3 mm   |
| Height [ h ]             | 14.7 mm   |
| Length of the solder pin | 1.4 mm    |
| Pin dimensions           | 0,8 x 0,8 |
| Pin spacing              | 8.30 mm   |
| Hole diameter            | 1.4 mm    |

### General

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## Technical data

### General

|  |                         |
|--|-------------------------|
| Range of articles                      | MCDNV 1,5/...-G1-RN-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                    | 16                      |

### Standards and Regulations

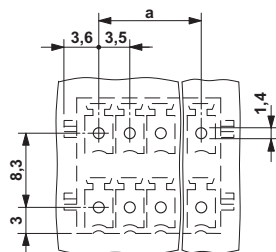
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

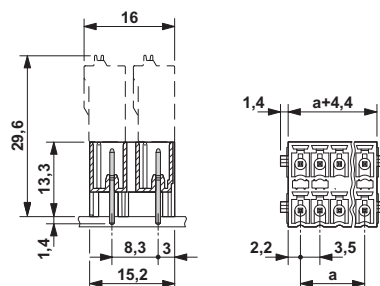
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram



Dimensional drawing



\*)  $\leq 8$ -pos. = 1.3 /  $> 8$ -pos. = 1.4

## Approvals

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## Approvals

Approvals

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

Ex Approvals

### Approval details

|   |  |   |          |
|---|--|---|----------|
| VDE Gutachten mit 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/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40011723 |
| Nominal current IN                      |  | 8 A   |          |
| Nominal voltage UN                      |  | 160 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> | E60425-20110128 |
|                    | B     | D   |                 |
| Nominal current IN | 8 A   | 8 A   |                 |
| Nominal voltage UN | 150 V | 150 V   |                 |

|                    |  |   |                |
|--------------------|--|---|----------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-59621-B1B2 |
| Nominal current IN |  | 8 A   |                |
| Nominal voltage UN |  | 160 V   |                |

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

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>