

## Feed-through header - MCDN 1,5/ 3-G1-3,5 P14THR - 1953923

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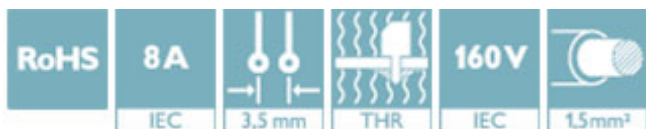


PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 3, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, The pin length is 1.4 mm. User information and design recommendations on Through Hole Reflow Technology can be found at: Downloads".

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

### Your advantages

- ✓ Designed for integration into the SMT soldering process
- ✓ 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         |               |
| GTIN         | 4017918919085 |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length [ l ]             | 13.3 mm      |
| Width                    | 12 mm        |
| Pitch                    | 3.5 mm       |
| Dimension a              | 7 mm         |
| Width [ w ]              | 12 mm        |
| Height [ h ]             | 15.2 mm      |
| Height                   | 16 mm        |
| Length of the solder pin | 1.4 mm       |
| Pin dimensions           | 0.8 x 0.8 mm |
| Pin spacing              | 3.50 mm      |
| Length                   | 13.3 mm      |

#### General

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## Technical data

### General

|  |                    |
|--|--------------------|
| Range of articles                      | MCDN 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

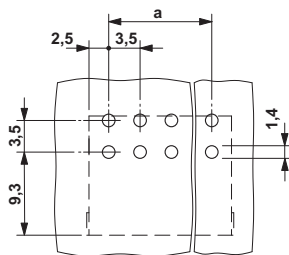
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

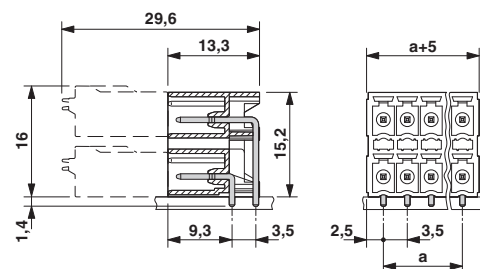
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram



Dimensional drawing



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

## Approvals

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## 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 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 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 |
| Nominal voltage UN |   | D<br>150 V  | B<br>150 V      |
| Nominal current IN |   | 8 A   | 8 A             |

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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>

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