

# Printed-circuit board connector - MCDN 1,5/ 5-G1-3,81 P26THR - 1749557

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.81 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin length is 2.6 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

## Product Features

- Versions with engagement noses for locking plugs with self-locking flanges
- Plug-in direction parallel to the PCB
- Low-profile THR double-level pin strips with compact pitches of 3.5 mm and 3.81 mm
- Use in SMT reflow processes
- Without offset levels, for flush installation on the front of devices



## Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 4.0 g    |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Bulgaria |

## Technical data

### Dimensions

|                       |          |
|-----------------------|----------|
| Length                | 13.3 mm  |
| Pitch                 | 3.81 mm  |
| Dimension a           | 15.24 mm |
| Width                 | 20.14 mm |
| Constructional height | 15.2 mm  |
| Height                | 17.8 mm  |

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## Technical data

### Dimensions

|                          |              |
|--------------------------|--------------|
| Length of the solder pin | 2.6 mm       |
| Pin dimensions           | 0,8 x 0,8 mm |
| Pin spacing              | 3.50 mm      |
| Hole diameter            | 1.4 mm       |

### 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                    | 5                  |

### Standards and Regulations

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

## 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 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

### UNSPSC

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

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

|   |       |
|---|-------|
| VDE Gutachten mit Fertigungsüberwachung  |       |
| Nominal current I <sub>N</sub>  | 8 A   |
| Nominal voltage U <sub>N</sub>  | 160 V |

|     |
|-----|
| EAC |
|-----|

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## Approvals

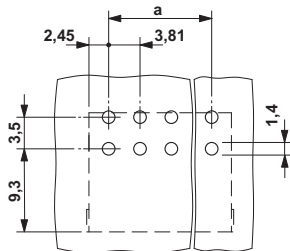
|                       |       |       |
|-----------------------|-------|-------|
| cULus Recognized      |       |       |
|                       | B     | D     |
| Nominal current $I_N$ | 8 A   | 8 A   |
| Nominal voltage $U_N$ | 150 V | 150 V |

|                       |       |
|-----------------------|-------|
| IECEE CB Scheme       |       |
| Nominal current $I_N$ | 8 A   |
| Nominal voltage $U_N$ | 160 V |

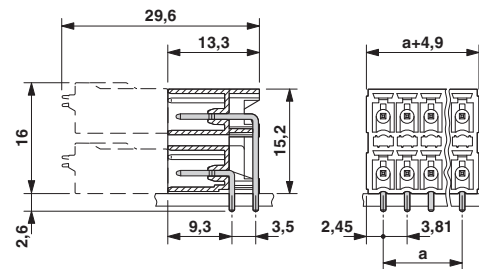
|     |
|-----|
| EAC |
|-----|

## Drawings

Drilling diagram



Dimensional drawing



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