

## Printed-circuit board connector - DMC 1,5/ 5-G1F-3,5-LR P20THR - 1787043

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.5 mm, Color: Black, Contact surface: Tin, Assembly: SMD/THT/THR



### Product Features

- ✓ Headers with flange can be combined with plugs with screw flange or with Lock & Release levers
- ✓ Taped headers available on request
- ✓ At 8 mm, the distance from the edge of the PCB to the first row of holes is compatible with MC headers
- ✓ Extremely small THR double-level headers for SMT and wave soldering processes



### Key commercial data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1 PCE                                                                                                   |
| GTIN                 | <br>4 046356 596558 |
| Custom tariff number | 85366990                                                                                                |
| Country of origin    | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                     |              |
|---------------------|--------------|
| Length              | 11.6 mm      |
| Height              | 12.8 mm      |
| Pitch               | 3.5 mm       |
| Dimension a         | 14 mm        |
| Number of positions | 5            |
| Pin dimensions      | 0,8 x 0,8 mm |
| Pin spacing         | 2.50 mm      |
| Hole diameter       | 1.4 mm       |

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## Technical data

### Technical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | DMC 1,5/...-G1F-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/2)                   | 160 V               |
| Rated voltage (II/2)                    | 250 V               |
| Connection in acc. with standard        | EN-VDE              |
| Nominal current $I_N$                   | 8 A                 |
| Nominal voltage $U_N$                   | 160 V               |
| Maximum load current                    | 8 A                 |
| Insulating material                     | LCP                 |
| Inflammability class according to UL 94 | V0                  |
| Color                                   | Black               |
| Nominal voltage, UL/CUL Use Group B     | 150 V               |
| Nominal current, UL/CUL Use Group B     | 8 A                 |

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

### UNSPSC

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

### 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 |

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### Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440402 |
|------------|----------|

### Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

|                                                                                                   |       |      |
|---------------------------------------------------------------------------------------------------|-------|------|
| UL Recognized  |       |      |
|                                                                                                   | B     | C    |
| Nominal current I <sub>N</sub>                                                                    | 8 A   | 8 A  |
| Nominal voltage U <sub>N</sub>                                                                    | 150 V | 50 V |

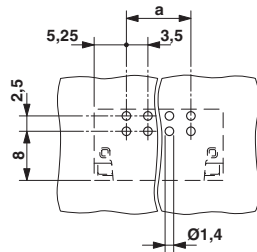
|                                                                                                    |       |      |
|----------------------------------------------------------------------------------------------------|-------|------|
| cUL Recognized  |       |      |
|                                                                                                    | B     | C    |
| Nominal current I <sub>N</sub>                                                                     | 8 A   | 8 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 150 V | 50 V |

|                                                                                                      |  |  |
|------------------------------------------------------------------------------------------------------|--|--|
| cULus Recognized  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|

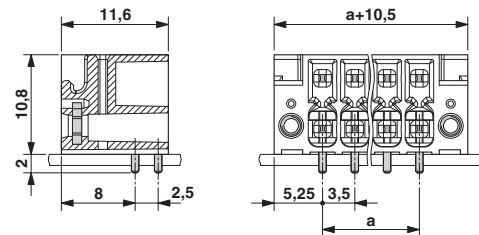
### Drawings

# Printed-circuit board connector - DMC 1,5/ 5-G1F-3,5-LR P20THR - 1787043

Drilling diagram



Dimensioned drawing



Schematic diagram

