

## Printed-circuit board connector - DMC 1,5/ 5-G1-3,5 P20THR - 1786866

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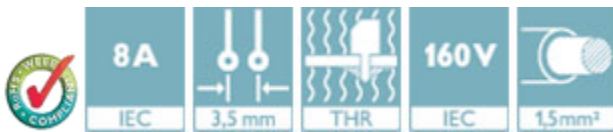
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering



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

### Product Features

- Taped headers available on request
- Headers with flange can be combined with plugs with screw flange or with Lock & Release levers
- 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 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 2.8 g    |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 11.6 mm      |
| Pitch                    | 3.50 mm      |
| Dimension a              | 14 mm        |
| Constructional height    | 10.8 mm      |
| Height                   | 12.8 mm      |
| Length of the solder pin | 2 mm         |
| Pin dimensions           | 0,8 x 0,8 mm |

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## Technical data

### Dimensions

|               |         |
|---------------|---------|
| Pin spacing   | 2.50 mm |
| Hole diameter | 1.4 mm  |

### General

|  |                   |
|--|-------------------|
| Range of articles                      | DMC 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               |
| 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 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


#### Approvals


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

#### Ex Approvals

#### Approvals submitted

### Approval details

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

|   |     |
|---|-----|
| IECEE CB Scheme  |     |
| Nominal current I <sub>N</sub>  | 8 A |

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## Approvals

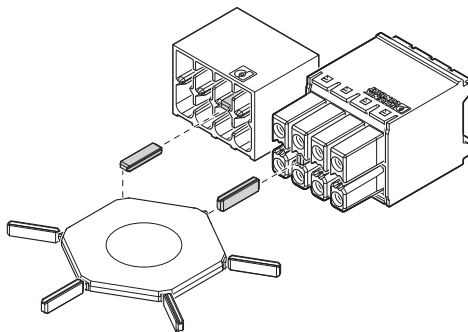
|                    |       |
|--------------------|-------|
| Nominal voltage UN | 160 V |
|--------------------|-------|

| cULus Recognized   |       |      |
|--------------------|-------|------|
|                    | B     | C    |
| Nominal current IN | 8 A   | 8 A  |
| Nominal voltage UN | 150 V | 50 V |

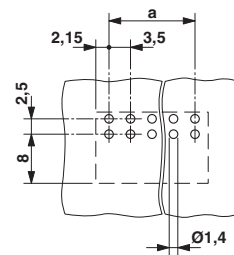
|     |
|-----|
| EAC |
|-----|

## Drawings

Schematic diagram

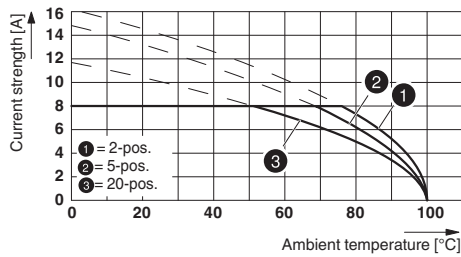


Drilling diagram



Use of the CP-DMC... coding profile

Diagram



Dimensional drawing

