



**Automatización Eléctrica**  
Especialistas en Automatización

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# Printed-circuit board connector - MC 1,5/20-GF-3,81 P20 THR - 1829205

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Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 20, Pitch: 3.81 mm, Color: black, Contact surface: Tin, Mounting: THR soldering



The figure shows a 10-position version of the product



## Key Commercial Data

|              |        |
|--------------|--------|
| Packing unit | 50 STK |
| GTIN         |        |

## Technical data

### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 9.2 mm       |
| Pitch                    | 3.81 mm      |
| Dimension a              | 72.39 mm     |
| Constructional height    | 6.9 mm       |
| Length of the solder pin | 2 mm         |
| Pin dimensions           | 0,8 x 0,8 mm |
| Hole diameter            | 1.4 mm       |

### General

|                                  |                   |
|----------------------------------|-------------------|
| Range of articles                | MC 1,5/...-GF-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            |

# Printed-circuit board connector - MC 1,5/20-GF-3,81 P20 THR - 1829205

## Technical data

### General

|  |       |
|--|-------|
| Nominal current I <sub>N</sub>         | 8 A   |
| Maximum load current                   | 8 A   |
| Insulating material                    | LCP   |
| Flammability rating according to UL 94 | V0    |
| Color                                  | black |
| Number of positions                    | 20    |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

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

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals

#### Approvals

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

# Printed-circuit board connector - MC 1,5/20-GF-3,81 P20 THR - 1829205

## Approvals

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 |

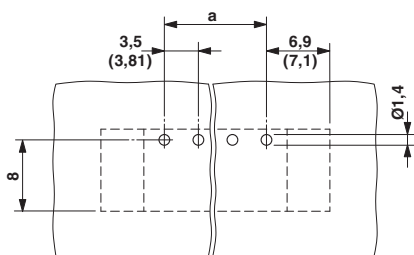
|     |
|-----|
| EAC |
|-----|

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

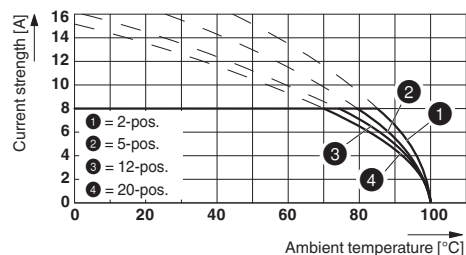
|                                |       |
|--------------------------------|-------|
| IECEE CB Scheme                |       |
| Nominal current I <sub>N</sub> | 8 A   |
| Nominal voltage U <sub>N</sub> | 160 V |

## Drawings

Drilling diagram



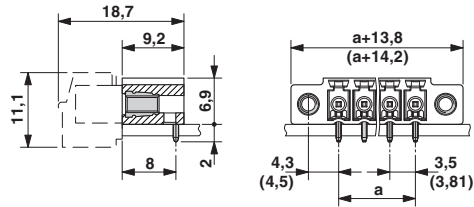
Diagram



Type: FK-MCP 1,5/...-ST(F)-3,81 with MC 1,5/...-G(F)-3,81 P.. THR(R...)

# Printed-circuit board connector - MC 1,5/20-GF-3,81 P20 THR - 1829205

Dimensional drawing



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| Product  | Code    | Reference                 | Product link               |
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