

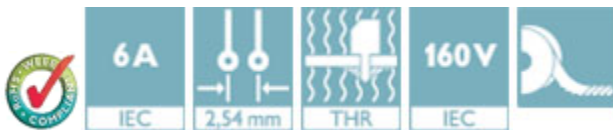
# Printed-circuit board connector - MC 0,5/ 5-G-2,54 P20 THR R44 - 1821274

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 2.54 mm, Color: black, Contact surface: Gold, Mounting: THR soldering, Sample values available under SAMPLE MC...



The illustration shows the 10-position version



## Key Commercial Data

|                        |          |
|------------------------|----------|
| Packing unit           | 1 pc     |
| Minimum order quantity | 465 pc   |
| Custom tariff number   | 85366990 |
| Country of origin      | Germany  |

## Technical data

### Dimensions

|                          |                |
|--------------------------|----------------|
| Length                   | 7.1 mm         |
| Pitch                    | 2.54 mm        |
| Dimension a              | 10.16 mm       |
| Width                    | 17.24 mm       |
| Height                   | 4.8 mm         |
| Length of the solder pin | 2 mm           |
| Pin dimensions           | 0,64 x 0,64 mm |
| Hole diameter            | 1.2 mm         |

### General

|                             |                  |
|-----------------------------|------------------|
| Range of articles           | MC 0,5/...-G-THR |
| Insulating material group   | IIIa             |
| Rated surge voltage (III/3) | 2.5 kV           |
| Rated surge voltage (III/2) | 2.5 kV           |

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 P20 THR R44 - 1821274

## Technical data

### General

|  |        |
|--|--------|
| Rated surge voltage (II/2)             | 2.5 kV |
| Rated voltage (III/3)                  | 32 V   |
| Rated voltage (III/2)                  | 160 V  |
| Rated voltage (II/2)                   | 160 V  |
| Connection in acc. with standard       | EN-VDE |
| Nominal current I <sub>N</sub>         | 6 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 |
| 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 |

### 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 |

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 P20 THR R44 - 1821274

## Approvals

### Approvals

#### Approvals


cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IEC60335 CB Scheme / EAC


#### Ex Approvals

#### Approvals submitted

### Approval details

| cULus Recognized               |       |      |
|--------------------------------|-------|------|
|                                | B     | C    |
| Nominal current I <sub>N</sub> | 6 A   | 6 A  |
| Nominal voltage U <sub>N</sub> | 150 V | 50 V |

| VDE Gutachten mit Fertigungsüberwachung  |       |
|---|-------|
| Nominal current I <sub>N</sub>  | 6 A   |
| Nominal voltage U <sub>N</sub>  | 160 V |

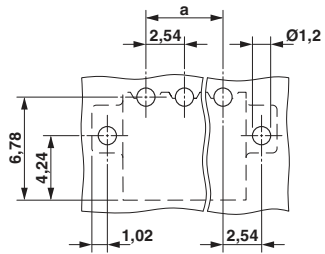
| IECEE CB Scheme  |       |
|---|-------|
| Nominal current I <sub>N</sub>  | 6 A   |
| Nominal voltage U <sub>N</sub>  | 160 V |

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

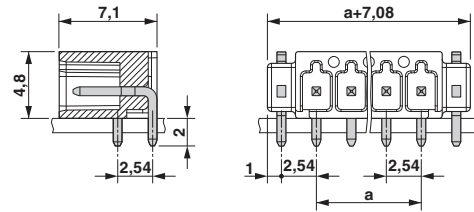
## Drawings

# Printed-circuit board connector - MC 0,5/ 5-G-2,54 P20 THR R44 - 1821274

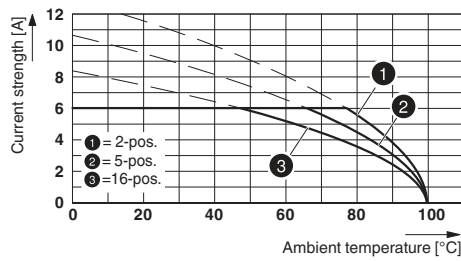
Drilling diagram



Dimensional drawing



Diagram



Type: FMC 0,5/...-ST-2,54 with MC 0,5/...-G-2,54 P20 THR R..