

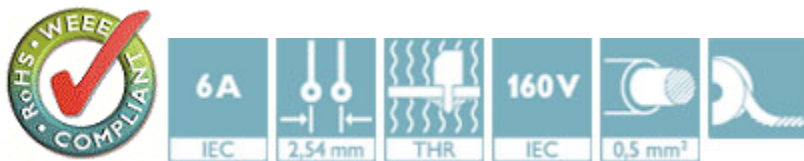
## Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300

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Header, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 8, 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 STK    |
| Minimum order quantity | 465 STK  |
| Custom tariff number   | 85366990 |
| Country of origin      | Germany  |

### Technical data

#### Environmental Product Compliance

|            |                                                |
|------------|------------------------------------------------|
| China RoHS | No hazardous substances above threshold values |
|------------|------------------------------------------------|

#### Dimensions

|                          |             |
|--------------------------|-------------|
| Length                   | 7.1 mm      |
| Pitch                    | 2.54 mm     |
| Dimension a              | 17.78 mm    |
| Width                    | 24.9 mm     |
| Constructional height    | 4.85 mm     |
| Height                   | 6.85 mm     |
| Length of the solder pin | 2 mm        |
| Pin dimensions           | 0,64 x 0,64 |
| Pin spacing              | 2.54 mm     |
| Hole diameter            | 1.2 mm      |

# Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300

## Technical data

### General

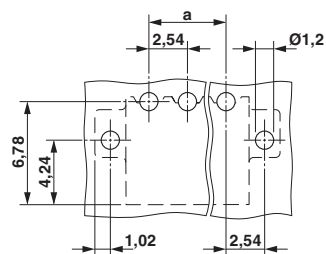
|                                        |                  |
|----------------------------------------|------------------|
| Range of articles                      | MC 0,5/...-G-THR |
| Insulating material group              | IIIa             |
| Rated surge voltage (III/3)            | 2.5 kV           |
| Rated surge voltage (III/2)            | 2.5 kV           |
| 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 $I_N$                  | 6 A              |
| Insulating material                    | LCP              |
| Flammability rating according to UL 94 | V0               |
| Color                                  | black            |
| Number of positions                    | 8                |

### Standards and Regulations

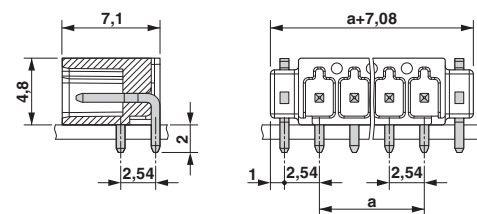
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

## Drawings

Drilling diagram

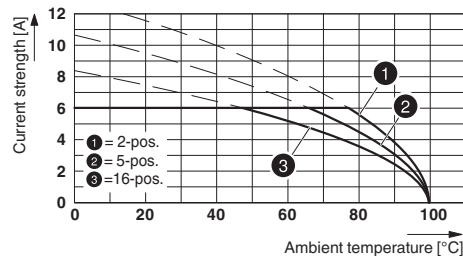


Dimensional drawing



## Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300

Diagram



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

### 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 |

### Approvals

Approvals

Approvals

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

## Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300

### Approvals

Ex Approvals

#### Approval details

|                                                                                                                                                                                        |       |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|
| cULus Recognized <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-19920306 |       |      |
|                                                                                                                                                                                        | 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  <a href="http://www.vde.de">http://www.vde.de</a> 40042258 |       |
|                                                                                                                                                                                      |       |
| Nominal current I <sub>N</sub>                                                                                                                                                       | 6 A   |
| Nominal voltage U <sub>N</sub>                                                                                                                                                       | 160 V |

|                                                                                                                                                                            |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| IECEE CB Scheme  <a href="http://www.iecee.org/">http://www.iecee.org/</a> DE1-55663-B1 |       |
|                                                                                                                                                                            |       |
| Nominal current I <sub>N</sub>                                                                                                                                             | 6 A   |
| Nominal voltage U <sub>N</sub>                                                                                                                                             | 160 V |

|             |
|-------------|
| EAC B.01742 |
|-------------|

### Accessories

#### Accessories

##### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

## Printed-circuit board connector - MC 0,5/ 8-G-2,54 P20 THR R44 - 1821300

### Accessories

Sample set - SAMPLE MC 0,5/ 8-G-2,54 P20THR - 1836007

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### Additional products

Printed-circuit board connector - FMC 0,5/ 8-ST-2,54 - 1821151

Plug component, Nominal current: 6 A, Rated voltage (III/2): 160 V, Number of positions: 8, Pitch: 2.54 mm, Connection method: Push-in spring connection, Color: black, Contact surface: Gold

