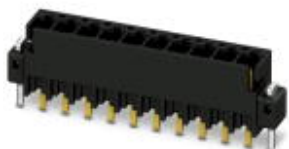


Printed-circuit board connector - MCV 0,5/ 8-G-2,54 P20 THR R44 - 1821452

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PCB headers, 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 figure shows the 10-position version

Why buy this product

- Designed for integration into the SMT soldering process
- Additional solder anchors reduce the mechanical strain on the soldering spots
- Gold-plated contacts ensure transfer quality remains stable over the long term
- Vertical connection enables multi-row arrangement on the PCB
- Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting



Key Commercial Data

| | |
|------------------------|---------------|
| Packing unit | 315 STK |
| Minimum order quantity | 315 STK |
| GTIN | |
| GTIN | 4046356789615 |

Technical data

Dimensions

| | |
|--------------------------|----------|
| Length [l] | 4.85 mm |
| Width | 24.9 mm |
| Pitch | 2.54 mm |
| Dimension a | 17.78 mm |
| Width [w] | 24.9 mm |
| Height [h] | 9.1 mm |
| Constructional height | 7.1 mm |
| Length of the solder pin | 2 mm |

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Technical data

Dimensions

| | |
|----------------|----------------|
| Pin dimensions | 0.64 x 0.64 mm |
| Length | 4.85 mm |

General

| | |
|--|-------------------|
| Range of articles | MCV 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

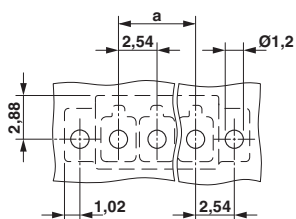
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

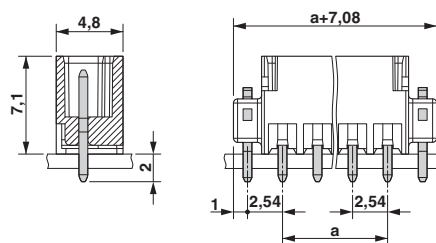
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

Drilling diagram

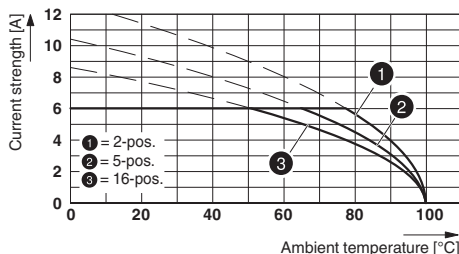


Dimensional drawing



Printed-circuit board connector - MCV 0,5/ 8-G-2,54 P20 THR R44 - 1821452

Diagram



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

Approvals

Approvals

Approvals

cULus Recognized / VDE Gutachten mit Fertigungsüberwachung / IEC60335-1 / EAC

Ex Approvals

Approval details

| | | | |
|--------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19920306 |
| | B | C | |
| Nominal voltage UN | 150 V | 50 V | |
| Nominal current IN | 6 A | 6 A | |

| | | | |
|---|--|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40042258 |
| | | | |
| Nominal voltage UN | | 160 V | |
| Nominal current IN | | 6 A | |

| | | | |
|--------------------|--|---|--------------|
| IECEE CB Scheme | | http://www.iecee.org/ | DE1-55663-B1 |
| | | | |
| Nominal voltage UN | | 160 V | |

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Approvals

| | |
|--------------------------------|-----|
| Nominal current I _N | 6 A |
|--------------------------------|-----|

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

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