

# Printed-circuit board connector - MCV 0,5/15-G-2,54 SMDR72C2 - 1706077

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, number of positions: 15, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: SMD soldering, Fixed coding of the last position, can be combined with the FMC 0,5/...-ST-2,54 C2 connector



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                   | 4046356842587 |

## Technical data

### Dimensions

|                |                |
|----------------|----------------|
| Length [ l ]   | 4.8 mm         |
| Width          | 42.64 mm       |
| Pitch          | 2.54 mm        |
| Dimension a    | 35.56 mm       |
| Width [ w ]    | 42.64 mm       |
| Height [ h ]   | 7.1 mm         |
| Pin dimensions | 0.64 x 0.64 mm |
| Length         | 4.8 mm         |

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## Technical data

### General

|  |                   |
|--|-------------------|
| Range of articles                      | MCV 0,5/...-G-SMD |
| 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                    | 15                |

### Standards and Regulations

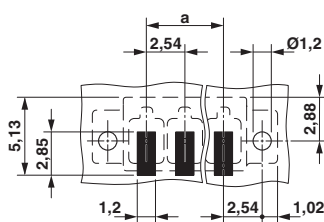
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

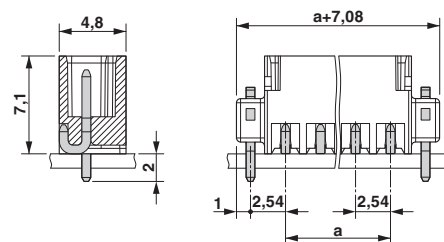
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram



Dimensional drawing



## Approvals

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

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## 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 voltage UN |  | 150 V   | 50 V            |
| Nominal current IN |  | 6 A   | 6 A             |

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

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

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

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