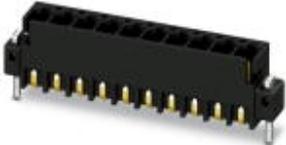


# Printed-circuit board connector - MCV 0,5/11-G-2,54 SMDR56C1 - 1706101

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PCB headers, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 11, pitch: 2.54 mm, color: black, contact surface: Gold, mounting: SMD soldering, pin layout: Linear pad geometry, solder pin [P]: 2 mm, Fixed coding of the first position, can be combined with the FMC 0,5/...-ST-2,54 C1 connector



The figure shows the 10-position version

## Your advantages

- ✓ 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 pc  |
| Minimum order quantity | 315 pc  |
| GTIN                   | <br>4 046356 842396 |
| GTIN                   | 4046356842396   |

## Technical data

### Dimensions

|                          |          |
|--------------------------|----------|
| Length [ l ]             | 4.85 mm  |
| Width                    | 32.52 mm |
| Pitch                    | 2.54 mm  |
| Dimension a              | 25.4 mm  |
| Width [ w ]              | 32.52 mm |
| Height [ h ]             | 7.1 mm   |
| 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-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 <sub>N</sub>         | 6 A              |
| Insulating material                    | LCP              |
| Flammability rating according to UL 94 | V0               |
| Color                                  | black            |
| Number of positions                    | 11               |

### Standards and Regulations

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

### Environmental Product Compliance

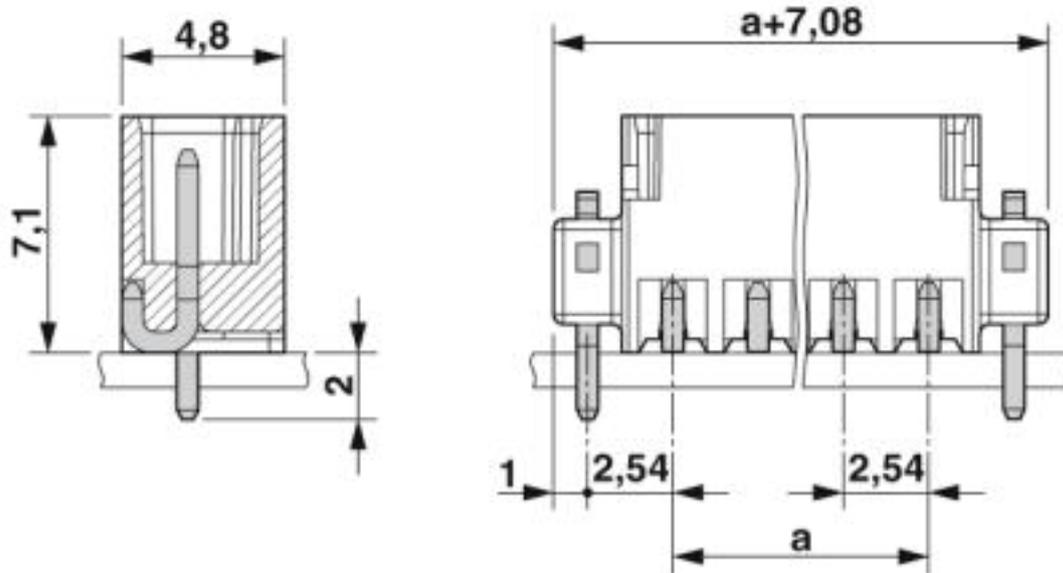
|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings



# Printed-circuit board connector - MCV 0,5/11-G-2,54 SMDR56C1 - 1706101

Dimensional drawing



## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440402 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| 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 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |

# Printed-circuit board connector - MCV 0,5/11-G-2,54 SMDR56C1 - 1706101

## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 39121409 |
| UNSPSC 18.0 | 39121409 |
| UNSPSC 19.0 | 39121409 |
| UNSPSC 20.0 | 39121409 |
| UNSPSC 21.0 | 39121409 |

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

|                    |   |   |              |
|--------------------|---|---|--------------|
| 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   |   |              |

|   |   |   |          |
|---|---|---|----------|
| VDE Gutachten mit 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/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40042258 |
| Nominal voltage UN                      | 160 V   |   |          |
| Nominal current IN                      | 6 A   |   |          |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

# Printed-circuit board connector - MCV 0,5/11-G-2,54 SMDR56C1 - 1706101

## Approvals

|                    |       |   |                 |
|--------------------|-------|---|-----------------|
| 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   |                 |

## 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 size: 2.54 x 2.8 mm

## Additional products

Printed-circuit board connector - FMC 0,5/11-ST-2,54 C1 - 1706252



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 11, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold, Fixed coding of the first position, can be combined with MC(V) 0,5/...-G-2,54...C1 headers

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