

# Printed-circuit board connector - MC 1,5/ 8-ST-3,5 BD:1-8 SO - 1702749

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PCB connector, nominal current: 8 A, number of positions: 8, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin




The figure shows a 10-position version of the product

## Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 pc   |
| GTIN         | <br>4 046356 615471 |
| GTIN         | 4046356615471   |

## Technical data

### Dimensions

|              |         |
|--------------|---------|
| Length [ l ] | 16.1 mm |
| Width [ w ]  | 28 mm   |
| Height [ h ] | 11.1 mm |
| Pitch        | 3.5 mm  |
| Dimension a  | 24.5 mm |

### General

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Range of articles                | MC 1,5/...-ST                        |
| Number of positions              | 8                                    |
| Connection method                | Screw connection with tension sleeve |
| Rated voltage (III/3)            | 160 V                                |
| Connection in acc. with standard | EN-VDE                               |

# Printed-circuit board connector - MC 1,5/ 8-ST-3,5 BD:1-8 SO - 1702749

## Technical data

### General

|                       |                     |
|-----------------------|---------------------|
| Nominal current $I_N$ | 8 A                 |
| Nominal cross section | 1.5 mm <sup>2</sup> |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.  | 28                   |
| Conductor cross section AWG max.  | 16                   |
| 2 conductors with same cross section, solid min.  | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.  | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                     | 0.08 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.34 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL   | 30                   |
| Maximum AWG according to UL/CUL   | 14                   |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CUL    |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

# Printed-circuit board connector - MC 1,5/ 8-ST-3,5 BD:1-8 SO - 1702749

## 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> | DE1-60987-B1B2 |
| Nominal voltage UN         |  | 160 V   |                |
| Nominal current IN         |  | 8 A   |                |
| mm <sup>2</sup> /AWG/kcmil |  | 0.2-1.5   |                |

|   |  |   |          |
|---|--|---|----------|
| 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> | 40011723 |
| Nominal voltage UN                      |  | 160 V   |          |
| Nominal current IN                      |  | 8 A   |          |
| mm <sup>2</sup> /AWG/kcmil              |  | 0.2-1.5   |          |

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

|                            |       |   |                 |
|----------------------------|-------|---|-----------------|
| 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> | E60425-20110128 |
|                            | D     | B   |                 |
| Nominal voltage UN         | 300 V | 300 V   |                 |
| Nominal current IN         | 8 A   | 8 A   |                 |
| mm <sup>2</sup> /AWG/kcmil | 30-14 | 30-14   |                 |

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