

## Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THR - 1788709

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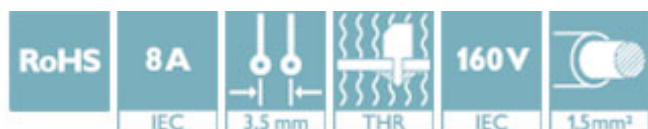
PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Designed for integration into the SMT soldering process
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 STK                                                                                                  |
| GTIN                                 | <br>4 046356 611749 |
| GTIN                                 | 4046356611749                                                                                           |
| Weight per Piece (excluding packing) | 2.200 g                                                                                                 |
| Custom tariff number                 | 85366930                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length [ l ]             | 9.2 mm       |
| Width                    | 43.39 mm     |
| Pitch                    | 3.5 mm       |
| Dimension a              | 38.5 mm      |
| Width [ w ]              | 43.39 mm     |
| Height [ h ]             | 9.5 mm       |
| Constructional height    | 6.9 mm       |
| Length of the solder pin | 2.6 mm       |
| Pin dimensions           | 0.8 x 0.8 mm |
| Length                   | 9.2 mm       |

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## Technical data

### General

|                                        |                  |
|----------------------------------------|------------------|
| Range of articles                      | MC 1,5/...-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)                  | 160 V            |
| Rated voltage (III/2)                  | 160 V            |
| Rated voltage (II/2)                   | 250 V            |
| Connection in acc. with standard       | EN-VDE           |
| Nominal current $I_N$                  | 8 A              |
| Maximum load current                   | 8 A              |
| Insulating material                    | LCP              |
| Flammability rating according to UL 94 | V0               |
| Color                                  | black            |
| Number of positions                    | 12               |

### Standards and Regulations

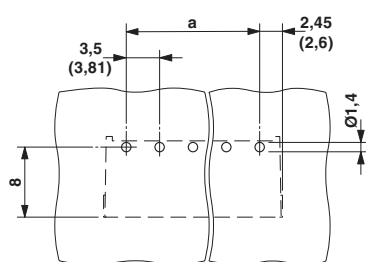
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

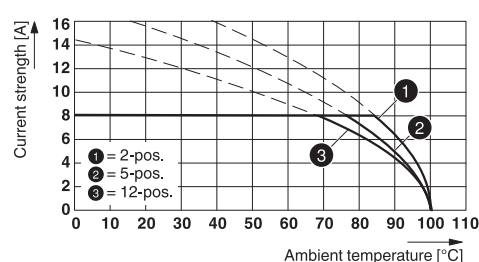
|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Drilling diagram



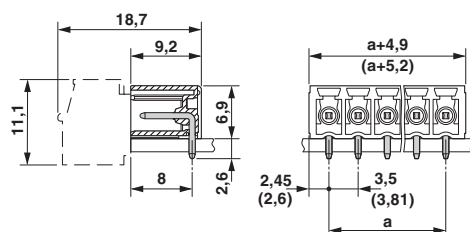
Diagram



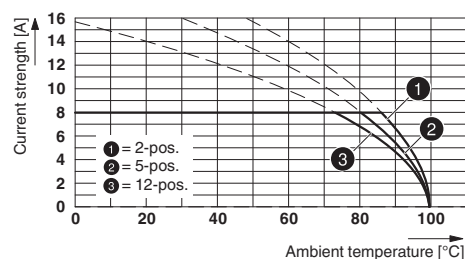
Type: FMC 1,5/...-ST-3,5 with MC 1,5/...-G-3,5 P26 THR

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Dimensional drawing



Diagram



Type: MC 1,5/...-ST(F)-3,5 with MC 1,5/...-G(F)-3,5 P... THR

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| 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 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

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VDE Gutachten mit Fertigungsüberwachung / cULus Recognized / IECCE CB Scheme / EAC / VDE report with production monitoring

#### Ex Approvals

## Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THR - 1788709

### Approvals

#### Approval details

|                                            |                                                                                   |                                                                                                                                                                                                                |          |
|--------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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> | 40011723 |
|                                            |                                                                                   |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         |                                                                                   | 160 V                                                                                                                                                                                                          |          |
| Nominal current IN                         |                                                                                   | 8 A                                                                                                                                                                                                            |          |

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

|                    |  |                                                                                     |                                                           |                |
|--------------------|--|-------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
| IECEE CB Scheme    |  |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60604-B1B2 |
|                    |  |                                                                                     |                                                           |                |
| Nominal voltage UN |  | 160 V                                                                               |                                                           |                |
| Nominal current IN |  | 8 A                                                                                 |                                                           |                |

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

|                                          |                                                                                     |                                                                                                                                                                                                                |          |
|------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE report with<br>production monitoring |  | <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> | 40011723 |
|                                          |                                                                                     |                                                                                                                                                                                                                |          |
| Nominal voltage UN                       | 160 V                                                                               |                                                                                                                                                                                                                |          |
| Nominal current IN                       | 8 A                                                                                 |                                                                                                                                                                                                                |          |

### Accessories

#### Accessories

#### Fiber optic

## Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THR - 1788709

### Accessories

Fiber optic - MC 1,5/10-LWL 1,5-3,5 - 1841161

MINI COMBICON fiber optics, 3.5 mm pitch, 10-pos., separable for other numbers of positions (minimum: 2-pos.), inserts into the back of the MC header, color: transparent, dimension a: 1.5 mm



Fiber optic - MC 1,5/10-LWL 2,3-3,5 - 1841187

MINI COMBICON fiber optics, 3.5 mm pitch, 10-pos., separable for other numbers of positions (minimum: 2-pos.), inserts into the back of the MC header, color: transparent, dimension a: 2.3 mm



Fiber optic - MC 1,5/10-LWL 4-3,5 - 1841200

MINI COMBICON fiber optics, 3.5 mm pitch, 10-pos., separable for other numbers of positions (minimum: 2-pos.), inserts into the back of the MC header, color: transparent, dimension a: 4 mm



### Additional products

Printed-circuit board connector - MC 1,5/12-ST-3,5 - 1840463



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Printed-circuit board connector - MCVW 1,5/12-ST-3,5 - 1862959



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

## Printed-circuit board connector - MC 1,5/12-G-3,5 P26 THR - 1788709

### Accessories

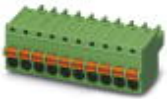
Printed-circuit board connector - MCVR 1,5/12-ST-3,5 - 1863259



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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Printed-circuit board connector - FK-MCP 1,5/12-ST-3,5 - 1940004



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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Printed-circuit board connector - FMC 1,5/12-ST-3,5 - 1952364



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 12, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin