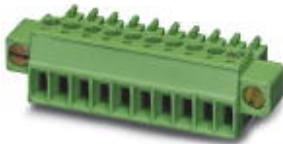


## Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- ☒ Generously dimensioned wiring space
- ☒ Plug-in direction parallel to the conductor axis
- ☒ Low design height of the MC 1,5 plug range
- ☒ Individual position keying by removing the keying tab and connecting the keying profile to the header



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 500                                                                                                     |
| Catalog page           | Page 179 (CC-2011)                                                                                      |
| GTIN                   | <br>4 017918 113568 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |         |
|------------------------|---------|
| Height                 | 11.1 mm |
| Pitch                  | 3.5 mm  |
| Dimension a            | 52.5 mm |
| Number of positions    | 16      |
| Screw thread           | M2      |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max  | 0.25 Nm |

#### Technical data

|                           |               |
|---------------------------|---------------|
| Range of articles         | MC 1,5/...STF |
| Insulating material group | I             |

# Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

## Technical data

### Technical data

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| 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/2)                   | 160 V                                                  |
| Rated voltage (II/2)                    | 320 V                                                  |
| Connection in acc. with standard        | EN-VDE                                                 |
| Nominal current $I_N$                   | 8 A                                                    |
| Nominal voltage $U_N$                   | 160 V                                                  |
| Nominal cross section                   | 1.5 mm <sup>2</sup>                                    |
| Maximum load current                    | 8 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                     |
| Inflammability class according to UL 94 | V0                                                     |
| Internal cylindrical gage               | A1                                                     |
| Stripping length                        | 7 mm                                                   |
| Nominal voltage, UL/CUL Use Group B     | 300 V                                                  |
| Nominal current, UL/CUL Use Group B     | 8 A                                                    |
| Nominal voltage, UL/CUL Use Group D     | 300 V                                                  |
| Nominal current, UL/CUL Use Group D     | 8 A                                                    |

### 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 stranded min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                                   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 28                   |
| Conductor cross section AWG/kcmil 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>  |

# Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 14 |

## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |

### etim

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### unspsc

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

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCEB Scheme / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

## Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

### Approvals

| CSA  |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
|                                                                                       | B     | D     |
| mm²/AWG/kcmil                                                                         | 28-16 | 28-16 |
| Nominal current I <sub>N</sub>                                                        | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                        | 300 V | 300 V |

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                  | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

| VDE Gutachten mit Fertigungsüberwachung  |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                                                             |         |
| mm²/AWG/kcmil                                                                                                               | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                                              | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                                              | 160 V   |

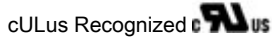
| cUL Recognized  |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                    | B     | D     |
| mm²/AWG/kcmil                                                                                      | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>                                                                     | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

| IECEE CB Scheme  |         |
|-----------------------------------------------------------------------------------------------------|---------|
|                                                                                                     |         |
| mm²/AWG/kcmil                                                                                       | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                      | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                      | 160 V   |

## Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

### Approvals



### Accessories

#### Accessories

#### Marking

Marker cards - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, For terminal block width: 3.5 mm

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Marker cards - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive

#### Tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

## Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

### Accessories

Cable housing - KGG-MC 1,5/16 - 1834482



Cable housing, Pitch: 0 mm, Number of positions: 16, Dimension a: 63.35 mm, Color: green

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### Additional products

Base strip - MCV 1,5/16-GF-3,5 - 1843363



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - MC 1,5/16-GF-3,5 - 1843936



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering

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Base strip - EMCV 1,5/16-GF-3,5 - 1911305



Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

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Base strip - EMC 1,5/16-GF-3,5 - 1897380



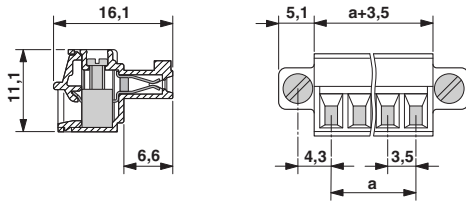
Header, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 16, Pitch: 3.5 mm, Color: green, Contact surface: Tin, Assembly: Press-in

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### Drawings

## Printed-circuit board connector - MC 1,5/16-STF-3,5 - 1847262

Dimensioned drawing



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