

## Printed-circuit board connector - MC 1,5/ 5-ST-3,5 AU - 1894668

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 5, Pitch: 3.5 mm, Connection method: Screw connection, Color: green, Contact surface: Gold



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 3.79 GRM |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Height      | 11.1 mm |
| Pitch       | 3.5 mm  |
| Dimension a | 14 mm   |

#### General

|                                  |               |
|----------------------------------|---------------|
| Range of articles                | MC 1,5/...-ST |
| Insulating material group        | I             |
| 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)             | 320 V         |
| Connection in acc. with standard | EN-VDE        |
| Nominal current I <sub>N</sub>   | 8 A           |

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## Technical data

### General

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
| 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                                                   |
| Number of positions                     | 5                                                      |
| Screw thread                            | M2                                                     |
| Tightening torque, min                  | 0.22 Nm                                                |
| Tightening torque max                   | 0.25 Nm                                                |

### 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>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 14                   |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| 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 |
| eCl@ss 8.0 | 27440309 |

#### 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

## Printed-circuit board connector - MC 1,5/ 5-ST-3,5 AU - 1894668

### 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 |

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

## Printed-circuit board connector - MC 1,5/ 5-ST-3,5 AU - 1894668

### Approvals

|                    |       |
|--------------------|-------|
| Nominal voltage UN | 160 V |
|--------------------|-------|

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

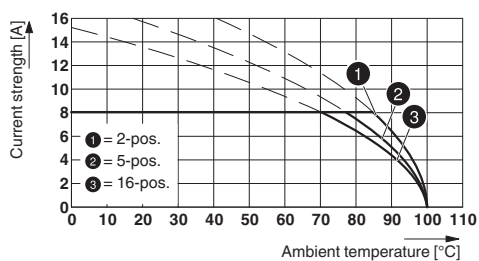
|                                                                                        |
|----------------------------------------------------------------------------------------|
| GOST  |
|----------------------------------------------------------------------------------------|

|                    |         |
|--------------------|---------|
| CCA                |         |
| mm²/AWG/kcmil      | 0.2-1.5 |
| Nominal current IN | 8 A     |
| Nominal voltage UN | 160 V   |

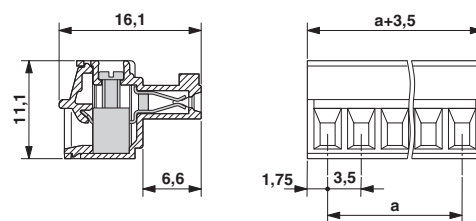
|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Drawings

Diagram



Dimensioned drawing



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