

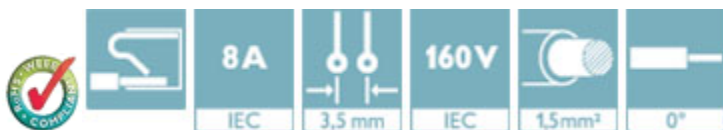
## Printed-circuit board connector - IFMC 1,5/12-ST-3,5-RF - 1844316

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Plug component, 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



The figure shows a 10-position version of the product



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 8.8 g    |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 24.6 mm |
| Height      | 7.8 mm  |
| Pitch       | 3.50 mm |
| Dimension a | 38.5 mm |

#### General

|                             |                    |
|-----------------------------|--------------------|
| Range of articles           | IFMC 1,5/...-ST-RF |
| 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              |

# Printed-circuit board connector - IFMC 1,5/12-ST-3,5-RF - 1844316

## Technical data

### General

|                                        |                     |
|----------------------------------------|---------------------|
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 8 A                 |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 8 A                 |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 10 mm               |
| Number of positions                    | 12                  |

### 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.    | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.                                           | 24                   |
| Conductor cross section AWG max.                                           | 16                   |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002637 |
|----------|----------|

## Printed-circuit board connector - IFMC 1,5/12-ST-3,5-RF - 1844316

### Approvals

#### Approvals

##### Approvals

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

##### Ex Approvals

##### Approvals submitted

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 24-16 | 24-16 |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 150 V | 50 V  |

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
|                                                                                                                             |         |
| mm <sup>2</sup> /AWG/kcmil                                                                                                  | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                                              | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                                              | 160 V   |

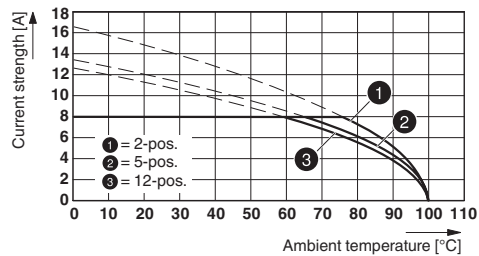
|                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
|                                                                                                     |         |
| mm <sup>2</sup> /AWG/kcmil                                                                          | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                      | 8 A     |
| Nominal voltage U <sub>N</sub>                                                                      | 160 V   |

|     |
|-----|
| EAC |
|-----|

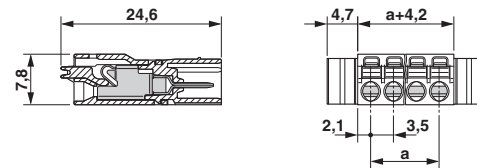
### Drawings

## Printed-circuit board connector - IFMC 1,5/12-ST-3,5-RF - 1844316

Diagram



Dimensional drawing



Type: IFMC 1,5/...-ST-3,5-RF with IMC 1,5/...-G-3,5 RN P20 THR