

## Printed-circuit board connector - FMC 1,5/ 2-STF-3,81 - 1748354

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 2, Pitch: 3.81 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- ✓ User-friendly actuation of the terminal point using a screwdriver
- ✓ Ultra-flat design height of just 7.8 mm
- ✓ Maximum contact and packing density in combination with double-level MCDN(V) 1,5 base strips
- ✓ Fast conductor connection thanks to Push-in spring-cage connection
- ✓ Wide range of possible combinations with all MC 1,5 base strips with 3.5 or 3.81 mm pitch
- ✓ Touch connection for voltage testing using a 1 mm Ø test pin

### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 046356 311397 |
| Weight per Piece (excluding packing) | 2.3 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Pitch       | 3.81 mm |
| Dimension a | 3.81 mm |

#### General

|                             |                |
|-----------------------------|----------------|
| Range of articles           | FMC 1,5/..-STF |
| 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          |

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## Technical data

### General

|   |                     |
|---|---------------------|
| Rated voltage (II/2)                    | 320 V               |
| Connection in acc. with standard        | EN-VDE              |
| Nominal current I <sub>N</sub>          | 8 A                 |
| Nominal cross section                   | 1.5 mm <sup>2</sup> |
| Maximum load current                    | 8 A                 |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A1                  |
| Stripping length                        | 10 mm               |
| Number of positions                     | 2                   |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.2 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.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 16                   |
| Minimum AWG according to UL/CUL  | 24                   |
| Maximum AWG according to UL/CUL  | 16                   |

## 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 | 27440402 |

### ETIM

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

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | D     |
| 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 | 150 V |

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | D     |
| 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 | 150 V |

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

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### Approvals

GOST 

cULus Recognized 