

## Printed-circuit board connector - FMC 1,5/ 9-STF-3,5 - 1966169

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 9, Pitch: 3.5 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   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 943356 |
| Weight per Piece (excluding packing) | 5.54 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 22.9 mm |
| Height      | 7.8 mm  |
| Pitch       | 3.5 mm  |
| Dimension a | 28 mm   |

#### General

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

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## Technical data

### General

|   |                     |
|---|---------------------|
| 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 $I_N$                   | 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                     | 9                   |

### 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 |

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## Classifications

### eCl@ss

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

#### Approvals

UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / EAC / 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 |

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## Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |
| Nominal voltage U <sub>N</sub> | 150 V | 150 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   |

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

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

## Accessories

### Accessories

#### Labeled terminal marker

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



Marker card, 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, Lettering field: 3.5 x 2.8 mm

#### Marker pen

Marker pen - B-STIFT - 1051993



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

## Terminal marking

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## Accessories

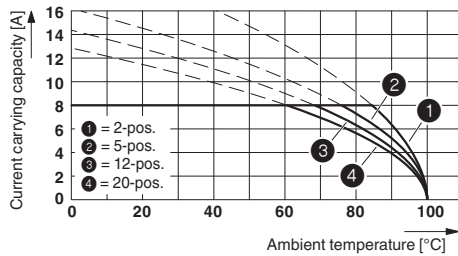
Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883

Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm



## Drawings

Diagram



Dimensioned drawing

