

## Printed-circuit board connector - FMC 1,5/ 6-ST-3,5-RF - 1952063

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Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 6, Pitch: 3.5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

### Product Features

- ✓ User-friendly actuation of the terminal point using a screwdriver
- ✓ Maximum contact and packing density in combination with double-level MCDN(V) 1,5 base strips
- ✓ Ultra-flat design height of just 7.8 mm
- ✓ 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918942700 |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 22.9 mm |
| Height      | 7.8 mm  |
| Pitch       | 3.5 mm  |
| Dimension a | 17.5 mm |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | FMC 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               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current I <sub>N</sub>   | 8 A                 |
| Nominal cross section            | 1.5 mm <sup>2</sup> |

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## Technical data

### General

|                                         |       |
|-----------------------------------------|-------|
| 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                     | 6     |

### 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 |

### UNSPSC

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

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## classifications

### UNSPSC

|                     |          |
|---------------------|----------|
| <b>UNSPSC 12.01</b> | 39121409 |
| <b>UNSPSC 13.2</b>  | 39121409 |

## approvals

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

### Approval details

| <b>UL Recognized</b>  |       |       |
|--------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                              | B     | D     |
| Nominal voltage UN                                                                                     | 150 V | 150 V |
| Nominal current IN                                                                                     | 8 A   | 8 A   |
| mm²/AWG/kcmil                                                                                          | 24-16 | 24-16 |

| <b>cUL Recognized</b>  |       |       |
|-----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                 | B     | D     |
| Nominal voltage UN                                                                                        | 150 V | 150 V |
| Nominal current IN                                                                                        | 8 A   | 8 A   |
| mm²/AWG/kcmil                                                                                             | 24-16 | 24-16 |

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| <b>GOST</b>  |
|-------------------------------------------------------------------------------------------------|

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

|                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|
| <b>cULus Recognized</b>  |
|-------------------------------------------------------------------------------------------------------------|

## accessories

### Labeled terminal marker

## Printed-circuit board connector - FMC 1,5/ 6-ST-3,5-RF - 1952063

### accessories

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



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### Terminal marking

SK U/2,8 WH:UNBEDRUCKT - 0803883



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### Marker pen

B-STIFT - 1051993



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### accessories

SK 3,5/2,8:SO - 0805030

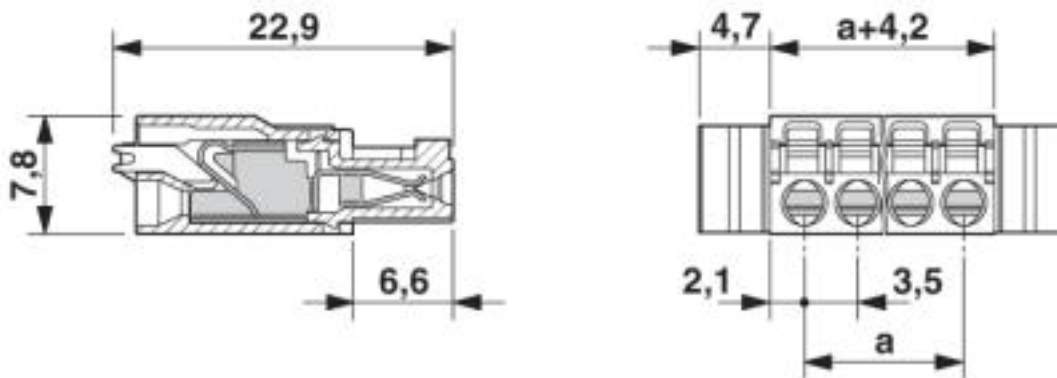


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### Drawings

## Printed-circuit board connector - FMC 1,5/ 6-ST-3,5-RF - 1952063

Dimensioned drawing



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