

## Printed-circuit board connector - SPC 16/ 2-STF-10,16 - 1711378

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Silver




The figure shows a 5-pos. version of the product

### Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Durch fixierten Schraubendreher geöffneter Klemmraum ermöglicht komfortablen Leiteranschluss
- Integrierte Stahlüberfeder für zusätzliche Sicherheit bei Temperatur- und Leistungsschwankungen
- Optimized for tight installation situations: operation and conductor connection from one direction
- Screwable flange for superior mechanical stability



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 pc                                                                                                   |
| GTIN                                 | <br>4 046356 081122 |
| Weight per Piece (excluding packing) | 19.16 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Bulgaria                                                                                                |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 10.16 mm |
| Dimension a | 10.16 mm |

#### General

|                             |               |
|-----------------------------|---------------|
| Range of articles           | SPC 16/..-STF |
| Insulating material group   | I             |
| Rated surge voltage (III/3) | 8 kV          |
| Rated surge voltage (III/2) | 8 kV          |
| Rated surge voltage (II/2)  | 6 kV          |

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## Technical data

### General

|                                        |                    |
|----------------------------------------|--------------------|
| Rated voltage (III/3)                  | 1000 V             |
| Rated voltage (III/2)                  | 1000 V             |
| Rated voltage (II/2)                   | 1000 V             |
| Connection in acc. with standard       | EN-VDE             |
| Nominal current $I_N$                  | 76 A               |
| Nominal cross section                  | 16 mm <sup>2</sup> |
| Maximum load current                   | 76 A               |
| Insulating material                    | PA                 |
| Flammability rating according to UL 94 | V0                 |
| Stripping length                       | 18 mm              |
| Number of positions                    | 2                  |
| Screw thread                           | M4                 |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 16 mm <sup>2</sup>   |
| Conductor cross section flexible min.                                                   | 0.75 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 16 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.75 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 16 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.75 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 10 mm <sup>2</sup>   |
| Conductor cross section AWG min.                                                        | 18                   |
| Conductor cross section AWG max.                                                        | 4                    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm <sup>2</sup>    |
| Minimum AWG according to UL/CUL                                                         | 20                   |
| Maximum AWG according to UL/CUL                                                         | 4                    |

## 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 |

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## Classifications

### 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

UL Recognized / SEV / cUL Recognized / CCA / EAC / IECCEB Scheme / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | C     |
| mm <sup>2</sup> /AWG/kcmil                                                                        | 20-4  | 20-4  |
| Nominal current I <sub>N</sub>                                                                    | 66 A  | 66 A  |
| Nominal voltage U <sub>N</sub>                                                                    | 600 V | 600 V |

|                                |        |
|--------------------------------|--------|
| SEV                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 16     |
| Nominal current I <sub>N</sub> | 76 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

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## Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 20-4  | 20-4  |
| Nominal current I <sub>N</sub> | 66 A  | 66 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

|                                |        |
|--------------------------------|--------|
| CCA                            |        |
| Nominal current I <sub>N</sub> | 76 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

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

|                                |        |
|--------------------------------|--------|
| IECEE CB Scheme                |        |
| Nominal current I <sub>N</sub> | 76 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

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

## Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967

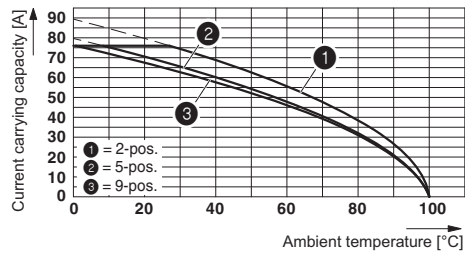
Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red



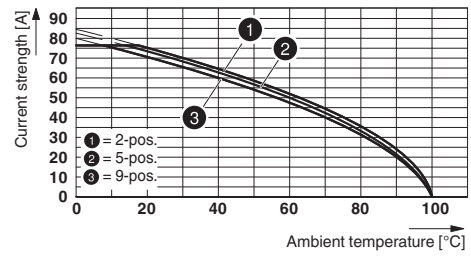
## Drawings

# Printed-circuit board connector - SPC 16/ 2-STF-10,16 - 1711378

Diagram



Diagram



Type: SPC 16/...-ST(F)-10,16 with DFK-PC 16/...-ST(F)-10,16

Dimensional drawing

