

## Printed-circuit board connector - SPC 5/ 6-STCL-7,62 - 1718520

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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

### Product Features

- ✓ Fast connection technology thanks to tool-free direct plug-in principle
- ✓ Automatic, tool-free snap-lock mechanism using the Click and Lock system (-STCL); high level of safety even in the event of vibrations
- ✓ Unlimited 600 V UL approval
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Push-in spring-cage plug with a current carrying capacity of 41 A
- ✓ CP-PC RD coding profile



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 30.69 g  |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Bulgaria |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Width       | 53.72 mm |
| Pitch       | 7.62 mm  |
| Dimension a | 38.1 mm  |

#### General

|                           |               |
|---------------------------|---------------|
| Range of articles         | SPC 5/..-STCL |
| Insulating material group | I             |

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## Technical data

### General

|  |                   |
|--|-------------------|
| Rated surge voltage (III/3)            | 8 kV              |
| Rated surge voltage (III/2)            | 8 kV              |
| Rated surge voltage (II/2)             | 6 kV              |
| 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 $I_N$                  | 41 A              |
| Nominal cross section                  | 6 mm <sup>2</sup> |
| Maximum load current                   | 41 A              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V0                |
| Stripping length                       | 15 mm             |
| Number of positions                    | 6                 |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 10 mm <sup>2</sup>   |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 6 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.              | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 8                    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL   | 24                   |
| Maximum AWG according to UL/CUL   | 8                    |

### Standards and Regulations

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

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## 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 |

### 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 / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

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## Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 24-8  | 24-8  |
| Nominal current I <sub>N</sub> | 35 A  | 35 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

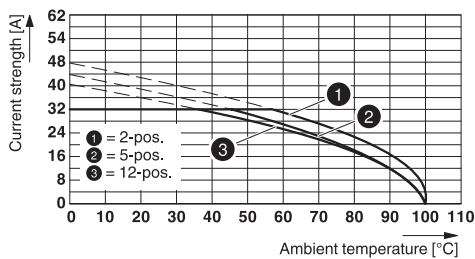
|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 24-8  | 24-8  |
| Nominal current I <sub>N</sub> | 35 A  | 35 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

EAC

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

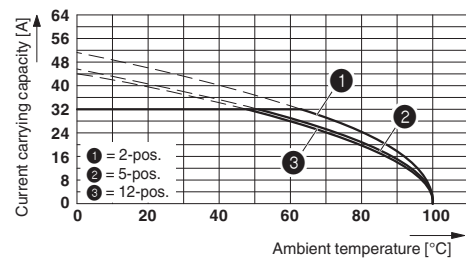
## Drawings

Diagram



Derating curve for: SPC 5/...-ST-7,62 with PC 5/...-G-7,62

Diagram



Derating curve for: SPC 5/...-ST-7,62 with PC 5/...-G-7,62  
Conductor cross section: 6 mm<sup>2</sup>

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Dimensional drawing

