

# Printed-circuit board connector - SPC 5/ 2-STCL-7,62 - 1718481

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

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

## Why buy this product

- 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 keying profile



## Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 0   |
| Minimum order quantity | 1   |
| Catalog page           | Page 437 (CC-2011)  |
| GTIN                   | <br>4 046356 173957 |
| Custom tariff number   | 85366990  |
| Country of origin      | GERMANY   |

## Technical data

### Dimensions / positions

|                     |         |
|---------------------|---------|
| Pitch               | 7.62 mm |
| Dimension a         | 7.62 mm |
| Number of positions | 2       |

### Technical data

|                             |               |
|-----------------------------|---------------|
| Range of articles           | SPC 5/..-STCL |
| Insulating material group   | I             |
| Rated surge voltage (III/3) | 8 kV          |

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## Technical data

### Technical data

|   |                   |
|---|-------------------|
| Rated surge voltage (III/2)             | 8 kV              |
| Rated surge voltage (II/2)              | 6 kV              |
| Rated voltage (III/2)                   | 1000 V            |
| Rated voltage (II/2)                    | 1000 V            |
| Connection in acc. with standard        | EN-VDE            |
| Nominal current I <sub>N</sub>          | 41 A              |
| Nominal voltage U <sub>N</sub>          | 1000 V            |
| Nominal cross section                   | 6 mm <sup>2</sup> |
| Maximum load current                    | 41 A              |
| Insulating material                     | PA                |
| Inflammability class according to UL 94 | V0                |
| Stripping length                        | 15 mm             |
| Nominal voltage, UL/CUL Use Group B     | 600 V             |
| Nominal current, UL/CUL Use Group B     | 35 A              |
| Nominal voltage, UL/CUL Use Group C     | 600 V             |
| Nominal current, UL/CUL Use Group C     | 35 A              |

### 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 stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 6 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.              | 6 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.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.  | 24                   |
| Conductor cross section AWG/kcmil 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                    |

## Classifications

### eClass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |

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## Classifications

### eclass

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 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 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

## Approvals

### Approvals


#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

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

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## Approvals

cUL Recognized

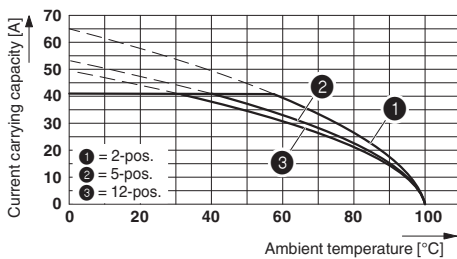
|                                | B     | C     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 24-8  | 24-8  |
| Nominal current I <sub>N</sub> | 35 A  | 35 A  |
| Nominal voltage U <sub>N</sub> | 600 V | 600 V |

GOST

cULus Recognized

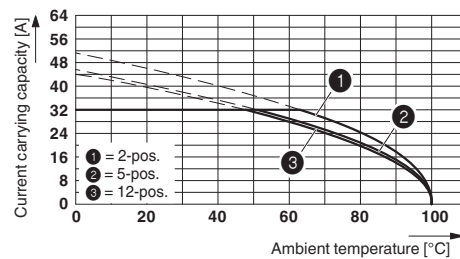
## Drawings

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>

## Dimensioned drawing

