

## Printed-circuit board connector - PC 4/ 8-STF-7,62 - 1828304

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Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 8, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin




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

### Product Features

- Plugs can be keyed using CP-PC RD coding profiles
- High-capacity plugs with a current carrying capacity of 20 A
- Integrated double steel spring as extra safety against contact corrosion
- Vibration-resistant connection by means of screw flange (PC 4/...-STF-7,62)
- Screw connection up to 4 mm<sup>2</sup>, stranded



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 050535 |
| Weight per Piece (excluding packing) | 37.0 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Width       | 76.18 mm |
| Pitch       | 7.62 mm  |
| Dimension a | 53.34 mm |

#### General

|                   |              |
|-------------------|--------------|
| Range of articles | PC 4/...-STF |
|-------------------|--------------|

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## Technical data

### General

|  |                   |
|--|-------------------|
| Insulating material group              | I                 |
| Rated surge voltage (III/3)            | 6 kV              |
| Rated surge voltage (III/2)            | 6 kV              |
| Rated surge voltage (II/2)             | 6 kV              |
| Rated voltage (III/3)                  | 400 V             |
| Rated voltage (III/2)                  | 630 V             |
| Rated voltage (II/2)                   | 1000 V            |
| Connection in acc. with standard       | EN-VDE            |
| Nominal current $I_N$                  | 20 A              |
| Nominal cross section                  | 4 mm <sup>2</sup> |
| Maximum load current                   | 20 A              |
| Insulating material                    | PA                |
| Flammability rating according to UL 94 | V0                |
| Internal cylindrical gage              | A4                |
| Stripping length                       | 7 mm              |
| Number of positions                    | 8                 |
| Screw thread                           | M3                |
| Tightening torque, min                 | 0.5 Nm            |
| Tightening torque max                  | 0.6 Nm            |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 4 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.            | 4 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.  | 10                   |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup> |
| Minimum AWG according to UL/CUL   | 30                  |
| Maximum AWG according to UL/CUL   | 10                  |

### Standards and Regulations

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

## 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

# Printed-circuit board connector - PC 4/ 8-STF-7,62 - 1828304

## Approvals

Approvals

CSA / UL Recognized / cUL Recognized / LR / GL / DNV / BV / EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | C     |
| mm <sup>2</sup> /AWG/kcmil     | 28-10 | 28-10 |
| Nominal current I <sub>N</sub> | 20 A  | 20 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| UL Recognized                  |       |       |       |
|                                | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-10 | 30-10 | 30-10 |
| Nominal current I <sub>N</sub> | 20 A  | 20 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 600 V |

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| cUL Recognized                 |       |       |       |
|                                | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-10 | 30-10 | 30-10 |
| Nominal current I <sub>N</sub> | 20 A  | 20 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 600 V |

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## Approvals

|                                |       |
|--------------------------------|-------|
| LR                             |       |
| mm <sup>2</sup> /AWG/kcmil     | 4     |
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 400 V |

|                                |       |
|--------------------------------|-------|
| GL                             |       |
| mm <sup>2</sup> /AWG/kcmil     | 4     |
| Nominal current I <sub>N</sub> | 20 A  |
| Nominal voltage U <sub>N</sub> | 400 V |

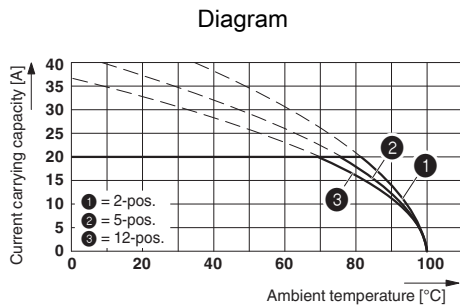
|     |
|-----|
| DNV |
|-----|

|    |
|----|
| BV |
|----|

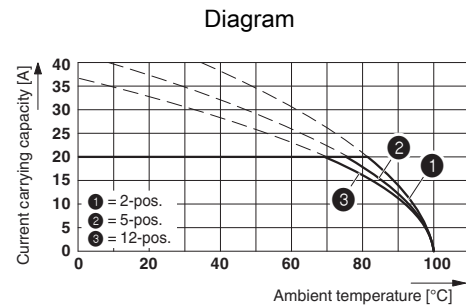
|     |
|-----|
| EAC |
|-----|

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

## Drawings



Derating curve for: PC 4/..-ST-7,62 with PC 4/..-G-7,62



Derating curve for: PC 4/..-ST-7,62 with PCV 4/..-G-7,62

# Printed-circuit board connector - PC 4/ 8-STF-7,62 - 1828304

Dimensional drawing

