# Printed-circuit board connector - TSPC 5/ 2-ST-7,62 - 1728455

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

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

## Product Features

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- Potentials can be easily looped through – ideal for BUS applications
- 600 V UL approval in the smallest of dimensions


## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 16.3 g |
| Custom tariff number | 85366990 |
| Country of origin | Bulgaria |

## Technical data

### Dimensions

| | |
|---|---|
| Pitch | 7.62 mm |
| Dimension a | 7.62 mm |

### General

| | |
|---|---|
| Range of articles | TSPC 5/..-ST |
| 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 mm² |
| Maximum load current | 41 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 15 mm |
| Number of positions | 2 |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 10 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 6 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 6 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 4 mm² |
| 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 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm² |
| 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 |
| eCl@ss 9.0 | 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

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

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## Approvals

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-8 | 24-8 |
| Nominal current IN | 31 A | 31 A |
| Nominal voltage UN | 600 V | 600 V |

cUL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 24-8 | 24-8 |
| Nominal current IN | 31 A | 31 A |
| Nominal voltage UN | 600 V | 600 V |

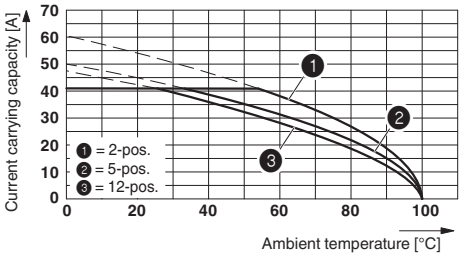
EAC

EAC

cULus Recognized

## Drawings

Diagram




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

Dimensional drawing