

## Printed-circuit board connector - TSPC 5/ 5-STF-7,62 - 1728235

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin

### Product Features

- ✓ Fast connection technology thanks to tool-free direct plug-in principle
- ✓ Additional features: screw flange (-STF)
- ✓ Simple potential distribution by means of two terminal points per contact
- ✓ Unlimited 600 V UL approval
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Push-in spring-cage plug with double connection
- ✓ CP-PC RD coding profile



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 43.4 GRM |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 7.62 mm  |
| Dimension a | 30.48 mm |

#### General

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

# Printed-circuit board connector - TSPC 5/ 5-STF-7,62 - 1728235

## Technical data

### General

|   |                   |
|---|-------------------|
| 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                |
| Inflammability class according to UL 94 | V0                |
| Stripping length                        | 15 mm             |
| Number of positions                     | 5                 |

### 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

### eCl@ss

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

## Printed-circuit board connector - TSPC 5/ 5-STF-7,62 - 1728235

### Classifications

#### eCl@ss

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


##### Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

##### Ex Approvals

##### Approvals submitted


#### Approval details


|   |      |      |
|---|------|------|
| UL Recognized  |      |      |
|   | B    | C    |
| mm²/AWG/kcmil   | 24-8 | 24-8 |
| Nominal current I <sub>N</sub>  | 31 A | 31 A |

## Printed-circuit board connector - TSPC 5/ 5-STF-7,62 - 1728235


### Approvals

|                    | B     | C     |
|--------------------|-------|-------|
| 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 |

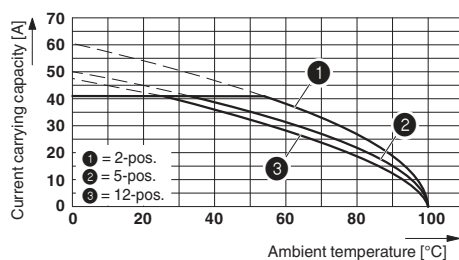
|  |  |  |
|--|--|--|
| GOST  |  |  |
|--|--|--|

|   |  |  |
|---|--|--|
| GOST  |  |  |
|---|--|--|

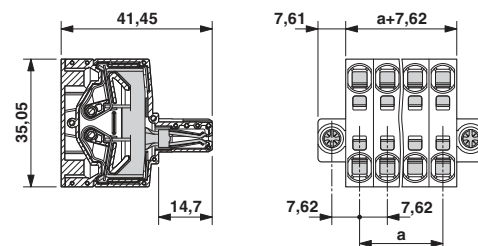
|  |  |  |
|--|--|--|
| cULus Recognized  |  |  |
|--|--|--|

### Drawings

Diagram



Dimensioned drawing



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