

## Printed-circuit board connector - TSPC 5/ 3-STF-7,62 - 1728219

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 7.62 mm, Connection method: Spring-cage 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
- ✓ 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) | 27.4 GRM |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 7.62 mm  |
| Dimension a | 15.24 mm |

#### General

|                           |               |
|---------------------------|---------------|
| Range of articles         | TSPC 5/..-STF |
| 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                |
| Inflammability class according to UL 94 | V0                |
| Stripping length                        | 15 mm             |
| Number of positions                     | 3                 |

### 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 |

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### Classifications

#### eCl@ss

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

##### 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 |

## Printed-circuit board connector - TSPC 5/ 3-STF-7,62 - 1728219

### Approvals

|                       | B     | C     |
|-----------------------|-------|-------|
| Nominal current $I_N$ | 31 A  | 31 A  |
| Nominal voltage $U_N$ | 600 V | 600 V |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | C     |
| mm <sup>2</sup> /AWG/kcmil                                                                       | 24-8  | 24-8  |
| Nominal current $I_N$                                                                            | 31 A  | 31 A  |
| Nominal voltage $U_N$                                                                            | 600 V | 600 V |

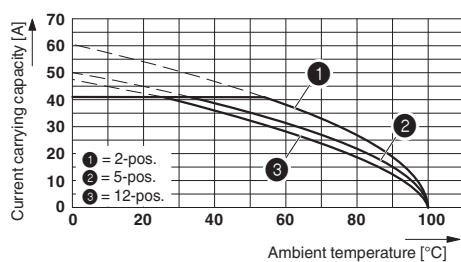
|                                                                                        |  |  |
|----------------------------------------------------------------------------------------|--|--|
| GOST  |  |  |
|----------------------------------------------------------------------------------------|--|--|

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

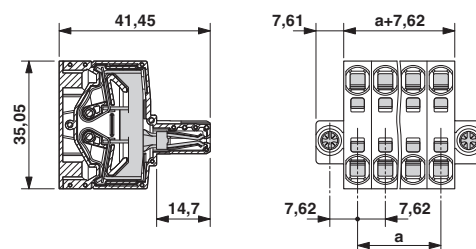
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|------------------------------------------------------------------------------------------------------|--|--|
| cULus Recognized  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|

### Drawings

Diagram



Dimensioned drawing



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

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