

## Printed-circuit board connector - ZEC 1,5/ 3-ST-5,0 C2 R1,3 - 1883051

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Direct connector, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin, Mounting: Direct connector



The figure shows a 10-position version of the product

### Why buy this product

- ✓ Larger numbers of positions available on request
- ✓ Contact made directly on a 1.6 mm thick PCB without additional pin strips
- ✓ Chamfer in the plug-in area has a positive effect on insertion and withdrawal forces/cycles



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 pc                                                                                                   |
| Minimum order quantity               | 50 pc                                                                                                   |
| GTIN                                 | <br>4 017918 161019 |
| Weight per Piece (excluding packing) | 5.0 g                                                                                                   |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|             |       |
|-------------|-------|
| Pitch       | 5 mm  |
| Dimension a | 15 mm |

#### General

|                             |                |
|-----------------------------|----------------|
| Range of articles           | ZEC 1,5/...-ST |
| Insulating material group   | I              |
| Rated surge voltage (III/3) | 4 kV           |
| Rated surge voltage (III/2) | 4 kV           |
| Rated surge voltage (II/2)  | 4 kV           |
| Rated voltage (III/3)       | 250 V          |
| Rated voltage (III/2)       | 320 V          |

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## Technical data

### General

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Rated voltage (II/2)                    | 630 V                                                   |
| Connection in acc. with standard        | EN-VDE                                                  |
| Nominal current $I_N$                   | 10 A                                                    |
| Nominal cross section                   | 1.5 mm <sup>2</sup>                                     |
| Maximum load current                    | 10 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                      |
| Inflammability class according to UL 94 | V0                                                      |
| Internal cylindrical gage               | A1                                                      |
| Stripping length                        | 7 mm                                                    |
| Number of positions                     | 3                                                       |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                                   | 1.5 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.              | 1.5 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.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil max.                                                  | 16                   |
| 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. | 0.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 26                   |
| Maximum AWG according to UL/CUL                                                         | 14                   |

## 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 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

### 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 / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / CCA / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/AWG/kcmil                                                                                     | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>                                                                    | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V | 300 V |

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm²/AWG/kcmil                                                                                                               | 0.2-1.5 |
| Nominal current I <sub>N</sub>                                                                                              | 10 A    |
| Nominal voltage U <sub>N</sub>                                                                                              | 250 V   |

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### Approvals

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 26-14 | 26-14 |
| Nominal current I <sub>N</sub>                                                                   | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |

| IECEE CB Scheme  |        |
|---------------------------------------------------------------------------------------------------|--------|
|                                                                                                   |        |
| Nominal current I <sub>N</sub>                                                                    | 10 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 1000 V |

| CCA                            |        |
|--------------------------------|--------|
|                                |        |
| Nominal current I <sub>N</sub> | 10 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

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

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

### Accessories

#### Accessories

##### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

#### Screwdriver tools

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### Accessories

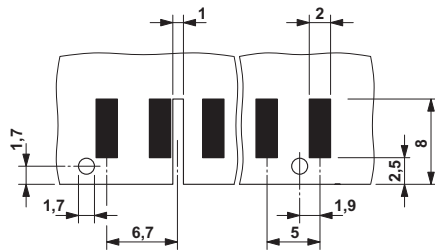
Screwdriver - SZF 0-0,4X2,5 - 1204504



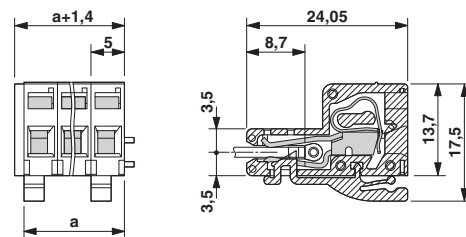
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

### Drawings

Drilling diagram



Dimensioned drawing



Size of the PCB:  $1.6 \pm 0.2$  mm