

## PCB terminal block - ZFKDS 1-W-3,81 - 1705003

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PCB terminal block, Nominal current: 12 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!

### Why buy this product

- Pitch: 3.81 mm
- Two solder pins for a high level of stability on the PCB
- Modular design enables blocking for larger numbers of positions
- W type with orange opening lever, enables tool-free actuation of the terminal point
- Single-level PCB single terminal blocks with spring-cage connection



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 136222 |
| Weight per Piece (excluding packing) | 1.09 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|                |            |
|----------------|------------|
| Length         | 17.5 mm    |
| Pitch          | 3.81 mm    |
| Pin dimensions | 0,7 x 1 mm |
| Hole diameter  | 1.2 mm     |

#### General

|                             |              |
|-----------------------------|--------------|
| Range of articles           | ZFKDS(A) 1-W |
| Insulating material group   | I            |
| Rated surge voltage (III/3) | 2.5 kV       |
| Rated surge voltage (III/2) | 2.5 kV       |
| Rated surge voltage (II/2)  | 2.5 kV       |
| Rated voltage (III/3)       | 160 V        |
| Rated voltage (III/2)       | 200 V        |
| Rated voltage (II/2)        | 400 V        |

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## Technical data

### General

|   |   |
|---|---|
| Connection in acc. with standard        | EN-VDE  |
| Nominal current I <sub>N</sub>          | 12 A  |
| Nominal cross section                   | 1 mm <sup>2</sup>                                       |
| Maximum load current                    | 12 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA  |
| Solder pin surface                      | Sn  |
| Inflammability class according to UL 94 | V0  |
| Stripping length                        | 7.5 mm  |
| Number of positions                     | 1   |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1 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. | 0.5 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.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 26                   |
| Conductor cross section AWG/kcmil max                                      | 16                   |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 6.01 | 30211801 |
|-------------|----------|

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## Classifications

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals


#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 26-16 | 26-16 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 250 V | 300 V |

|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 26-16 | 26-16 |
| Nominal current I <sub>N</sub>   | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>   | 250 V | 300 V |

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

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

## PCB terminal block - ZFKDS 1-W-3,81 - 1705003

### Accessories

#### Accessories

##### Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



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: 3.81 mm, Lettering field: 3.81 x 2.8 mm

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### Screwdriver tools

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

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### Necessary add-on products

PCB terminal block - ZFKDSA 1-W-6,35 - 1704994

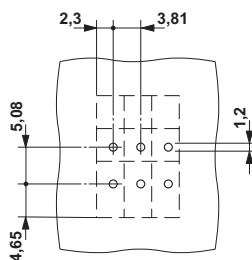


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### Drawings

Drilling diagram



Dimensioned drawing

