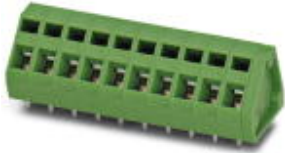


## PCB terminal block - ZFKDS 1,5-5,08 - 1706701

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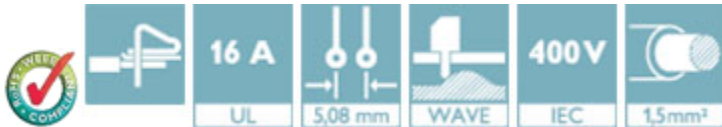
PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 1, Connection method: Spring-cage connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, The article can be aligned to create different nos. of positions!




The illustration shows an 10-position version

### Product Features

- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Angled connection enables multi-row arrangement on the PCB
- The latch on the side enables various numbers of positions to be combined
- Two solder pins reduce the mechanical strain on the soldering spots



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 250 pc  |
| GTIN                                 | <br>4 017918 144739 |
| Weight per Piece (excluding packing) | 1.32 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                       |         |
|-----------------------|---------|
| Length                | 16.9 mm |
| Pitch                 | 5.08 mm |
| Constructional height | 15 mm   |

## PCB terminal block - ZFKDS 1,5-5,08 - 1706701

### Technical data

#### Dimensions

|                          |            |
|--------------------------|------------|
| Length of the solder pin | 3.5 mm     |
| Pin dimensions           | 0,7 x 1 mm |
| Hole diameter            | 1.3 mm     |

#### General

|  |   |
|--|---|
| Range of articles                      | ZFKDS(A) 1,5  |
| 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)                  | 400 V   |
| Rated voltage (II/2)                   | 630 V   |
| Connection in acc. with standard       | EN-VDE  |
| Nominal current $I_N$                  | 16 A  |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                       |
| Maximum load current                   | 16 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Solder pin surface                     | Sn  |
| Flammability rating according to UL 94 | V0  |
| Stripping length                       | 7.5 mm  |
| Number of positions                    | 1   |

#### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 14                   |

#### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CSA    |

# PCB terminal block - ZFKDS 1,5-5,08 - 1706701

## Technical data

### Standards and Regulations

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

## 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 |
| eCl@ss 9.0 | 27440401 |

### ETIM

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

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / CCA / CCA / IECCEB Scheme / EAC / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted


# PCB terminal block - ZFKDS 1,5-5,08 - 1706701

## Approvals


### Approval details

CSA 


|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 28-12 | 28-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

UL Recognized 

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

KEMA-KEUR 

| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 250 V |

cUL Recognized 

|                                | B     | D     |
|--------------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

CCA

| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 250 V |

# PCB terminal block - ZFKDS 1,5-5,08 - 1706701

## Approvals

|                            |       |
|----------------------------|-------|
| CCA                        |       |
| mm <sup>2</sup> /AWG/kcmil | 1.5   |
| Nominal voltage UN         | 250 V |

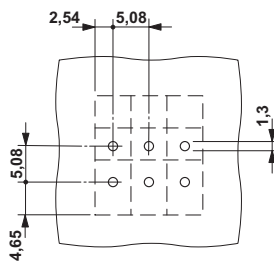
|                            |       |
|----------------------------|-------|
| IECEE CB Scheme            |       |
| mm <sup>2</sup> /AWG/kcmil | 1.5   |
| Nominal voltage UN         | 250 V |

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

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

## Drawings

Drilling diagram



Dimensional drawing

