# PCB terminal block - ZFKDSA 1,5-5,08-12 - 1905984

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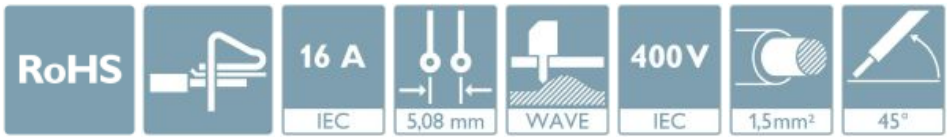


The figure shows a 10-position version of the product

PCB terminal block, nominal current: 16 A, rated voltage (III/2): 400 V, nominal cross section: 1.5 mm², Number of potentials: 12, Number of rows: 1, Number of positions per row: 12, product range: ZFKDS(A) 1,5, pitch: 5.08 mm, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.5 mm, type of packaging: packed in cardboard

## Your advantages

- 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 latching 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 | 10 pc |
| GTIN | 4 017918 173791 |
| GTIN | 4017918173791 |
| Weight per Piece (excluding packing) | 15.760 g |
| Custom tariff number | 85369010 |
| Country of origin | Greece |

## Technical data

### Item properties

| | |
|---|---|
| Brief article description | PCB terminal block |
| Range of articles | ZFKDS(A) 1,5 |

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## Technical data

### Item properties

| | |
|---|---|
| Pitch | 5.08 mm |
| Number of positions | 12 |
| Mounting type | Wave soldering |
| Pin layout | Linear double pinning |
| Number of levels | 1 |
| Number of connections | 12 |
| Number of potentials | 12 |

### Electrical parameters

| | |
|---|---|
| Nominal current | 16 A |
| Nom. voltage | 400 V |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |

### Connection capacity

| | |
|---|---|
| Connection method | Spring-cage connection |
| pluggable | Yes |
| Conductor cross section solid | 0.2 mm² ... 2.5 mm² |
| Conductor cross section flexible | 0.2 mm² ... 1.5 mm² |
| Conductor cross section AWG / kcmil | 24 ... 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm² ... 1.5 mm² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.25 mm² ... 1.5 mm² |
| Stripping length | 7.5 mm |

### Material data - contact

| | |
|---|---|
| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material | Cu alloy |
| Surface characteristics | hot-dip tin-plated |
| Metal surface terminal point (top layer) | Tin (10 - 16 µm Sn) |
| Metal surface soldering area (top layer) | Tin (10 - 16 µm Sn) |

### Material data - housing

| | |
|---|---|
| Housing color | green (6021) |
| Insulating material | PA |
| Insulating material group | I |

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## Technical data

### Material data - housing

| | |
|---|---|
| CTI according to IEC 60112 | 600 |
| Flammability rating according to UL 94 | V0 |
| Glow wire flammability index GWFI according to EN 60695-2-12 | 850 |
| Glow wire ignition temperature GWIT according to EN 60695-2-13 | 775 |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

### Dimensions for the product

| | |
|---|---|
| Caption | Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center |
| Length [ l ] | 16.9 mm |
| Width [ w ] | 63.5 mm |
| Height [ h ] | 17.7 mm |
| Pitch | 5.08 mm |
| Height (without solder pin) | 14.2 mm |
| Solder pin [P] | 3.5 mm |
| Pin spacing | 5.08 mm |
| Pin dimensions | 0.7 x 1 mm |

### Dimensions for PCB design

| | |
|---|---|
| Hole diameter | 1.3 mm |
| Pin spacing | 5.08 mm |

### Packaging information

| | |
|---|---|
| Type of packaging | packed in cardboard |
| Pieces per package | 10 |
| Denomination packing units | Pcs. |

### Electrical tests

| | |
|---|---|
| Rated current | 16 A |
| Conductor cross section | 1.5 mm² |
| Rated voltage (III/2) | 400 V |
| Rated surge voltage (III/2) | 4 kV |

### Air clearances and creepage distances

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |

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## Technical data

### Environmental Product Compliance

| | |
|---|---|
| | No hazardous substances above threshold values |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 10.0.1 | 27440401 |
| eCl@ss 11.0 | 27460101 |
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| 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 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | EC002643 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |
| UNSPSC 18.0 | 39121432 |
| UNSPSC 19.0 | 39121432 |
| UNSPSC 20.0 | 39121432 |
| UNSPSC 21.0 | 39121432 |

## Approvals

### Approvals

# PCB terminal block - ZFKDSA 1,5-5,08-12 - 1905984

## Approvals

Approvals

CSA / CCA / KEMA-KEUR / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

## Approval details

| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
|---|---|---|---|

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 28-12 | 28-12 |

| CCA | NTR NL-7074 |
|---|---|
| | |
| Nominal voltage UN | 250 V |
| mm²/AWG/kcmil | 1.5 |

| KEMA-KEUR | | http://www.dekra-certification.com | 2160724.01 |
|---|---|---|---|

| | |
|---|---|
| Nominal voltage UN | 250 V |
| mm²/AWG/kcmil | 1.5 |

| IECEE CB Scheme | | http://www.iecee.org/ | NL-25836 |
|---|---|---|---|

| | |
|---|---|
| Nominal voltage UN | 250 V |
| mm²/AWG/kcmil | 1.5 |

| EAC | | B.01687 |
|---|---|---|

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## Approvals

| | | | |
|---|---|---|---|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19941110 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 26-12 | 26-12 |

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