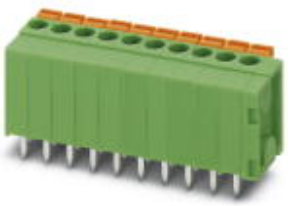
# PCB terminal block - FFKDSA1/V-3,81- 4 - 1724916

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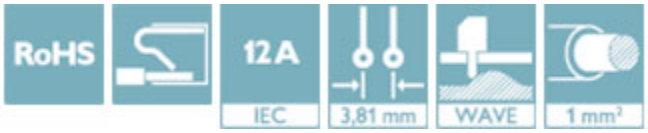


The figure shows the 10-position version

PCB terminal block, nominal current: 12 A, rated voltage (III/2): 160 V, Nominal cross section: 1 mm², pitch: 3.81 mm, number of positions: 4, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.4 mm

## Your advantages

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Operation and conductor connection from one direction enable integration into front of device
- Two solder pins reduce the mechanical strain on the soldering spots
- The latching on the side enables various numbers of positions to be combined
- Vertical connection enables multi-row arrangement on the PCB




## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 233327 |
| GTIN | 4017918233327 |
| Weight per Piece (excluding packing) | 3.930 g |
| Custom tariff number | 85369010 |
| Country of origin | Greece |

## Technical data

### Item properties

| | |
|---|---|
| Brief article description | PCB terminal block |

# PCB terminal block - FFKDSA1/V-3,81- 4 - 1724916

## Technical data

### Item properties

| | |
|---|---|
| Range of articles | FFKDS(A) 1,5/..-V |
| Pitch | 3.81 mm |
| Number of positions | 4 |
| Connection method | Push-in spring connection |
| Mounting type | Wave soldering |
| Pin layout | Linear double pinning |
| Number of levels | 1 |
| Number of connections | 4 |
| Number of potentials | 4 |

### Connection capacity

| | |
|---|---|
| Conductor cross section solid | 0.14 mm² ... 1 mm² |
| Conductor cross section flexible | 0.14 mm² ... 1 mm² |
| Conductor cross section AWG / kcmil | 26 ... 18 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm² ... 0.34 mm² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.25 mm² ... 0.34 mm² |
| Stripping length | 10 mm |

### Material data - contact

| | |
|---|---|
| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material | Cu alloy |
| Metal surface terminal point (top layer) | Tin (5 - 7 µm Sn) |
| Metal surface terminal point (middle layer) | Nickel (2 - 3 µm Ni) |
| Metal surface soldering area (top layer) | Tin (5 - 7 µm Sn) |
| Metal surface soldering area (middle layer) | Nickel (2 - 3 µm Ni) |

### Material data - housing

| | |
|---|---|
| Insulating material | PA |
| Insulating material group | I |
| 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

| | |
|---|---|
| Length [ l ] | 12.7 mm |
| Width [ w ] | 17.74 mm |
| Height [ h ] | 17.1 mm |

# PCB terminal block - FFKDSA1/V-3,81- 4 - 1724916

## Technical data

### Dimensions for the product

| | |
|---|---|
| Pitch | 3.81 mm |
| Height (without solder pin) | 13.7 mm |
| Solder pin [P] | 3.4 mm |
| Pin dimensions | 0.5 x 1 mm |
| Dimension a | 11.43 mm |

### Dimensions for PCB design

| | |
|---|---|
| Hole diameter | 1.3 mm |

### Packaging information

| | |
|---|---|
| Type of packaging | packed in cardboard |
| Pieces per package | 50 |
| Denomination packing units | Pcs. |

### Ambient conditions

| | |
|---|---|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Ambient temperature (operation) | -40 °C ... 100 °C (Depending on the current carrying capacity/derating curve) |

### Electrical tests

| | |
|---|---|
| Rated current | 12 A |
| Conductor cross section | 1 mm² |
| Rated voltage (III/2) | 160 V |
| Rated surge voltage (III/2) | 2.5 kV |

### Air clearances and creepage distances

| | |
|---|---|
| Rated insulation voltage (III/3) | 160 V |
| Rated insulation voltage (III/2) | 160 V |
| Rated insulation voltage (II/2) | 320 V |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |

### Standards and Regulations

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

### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

# PCB terminal block - FFKDSA1/V-3,81- 4 - 1724916

## Classifications

### eCl@ss

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

## Approvals

### Approvals

Approvals

CSA / EAC / cULus Recognized

Ex Approvals

### Approval details

# PCB terminal block - FFKDSA1/V-3,81- 4 - 1724916

## Approvals

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

| | B |
|---|---|
| Nominal voltage UN | 150 V |
| Nominal current IN | 10 A |
| mm²/AWG/kcmil | 26-18 |

| | | | |
|---|---|---|---|
| EAC | | | B.01742 |

| | | | |
|---|---|---|---|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19870330 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 6 A | 6 A |
| mm²/AWG/kcmil | 26-16 | 26-16 |

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