# PCB terminal block - FFKDS/V-3,81 - 1789647

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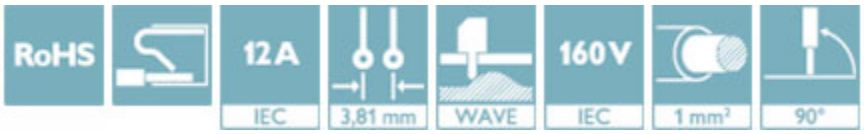
PCB terminal block, nominal current: 12 A, nom. voltage: 160 V, pitch: 3.81 mm, number of positions: 1, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green. Single module for the custom grouping of different numbers of positions. An end terminal block is also needed to terminate the block (see accessories). Blocked items with different numbers of positions are also available.

## Why buy this product

- 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 STK |
| Minimum order quantity | 100 STK |
| GTIN | 4 017918 044114 |
| GTIN | 4017918044114 |
| Weight per Piece (excluding packing) | 0.930 g |
| Custom tariff number | 85369010 |
| Country of origin | Greece |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 12.7 mm |
| Pitch | 3.81 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Width [ w ] | 5.08 mm |
| Constructional height | 13.7 mm |
| Height [ h ] | 17.1 mm |
| Solder pin [P] | 3.4 mm |
| Pin dimensions | 0,5 x 1 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | FFKDS(A) 1,5/..-V |
| 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) | 160 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 12 A |
| Nominal cross section | 1 mm² |
| Maximum load current | 6 A (with 1 mm² conductor cross section) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 10 mm |
| Number of positions | 1 |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 1 mm² |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 1 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.34 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.34 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 18 |

### Standards and Regulations

# PCB terminal block - FFKDS/V-3,81 - 1789647

## Technical data

### Standards and Regulations

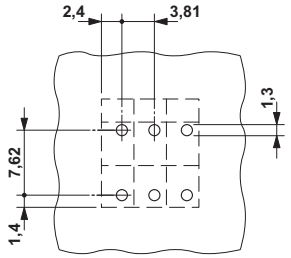
| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

### Environmental Product Compliance

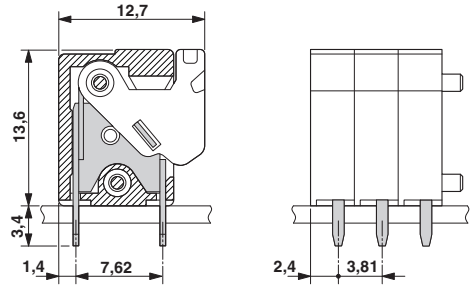
| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

## Drawings

Drilling diagram




Dimensional drawing




## 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 |
| ETIM 6.0 | EC002643 |

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## Classifications

### UNSPSC

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

## Approvals

### Approvals

Approvals

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

Ex Approvals

### Approval details

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

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

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425

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

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## Approvals

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

| | |
|---|---|
| mm²/AWG/kcmil | 1.0 |
| Nominal voltage UN | 130 V |

| | | | |
|---|---|---|---|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

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

| | |
|---|---|
| CCA | NTR NL-7074 |

| | |
|---|---|
| mm²/AWG/kcmil | 1.0 |
| Nominal voltage UN | 130 V |

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

| | |
|---|---|
| mm²/AWG/kcmil | 1.0 |
| Nominal voltage UN | 130 V |

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

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

## Accessories

### Accessories

Labeled terminal marker

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## Accessories

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 size: 3.81 x 2.8 mm

## Necessary add-on products

PCB terminal block - FFKDSA1/V-6,35 - 1789621

PCB terminal block, nominal current: 12 A, nom. voltage: 160 V, pitch: 3.81 mm, number of positions: 1, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: green. End terminal block for terminating custom-grouped blocks.