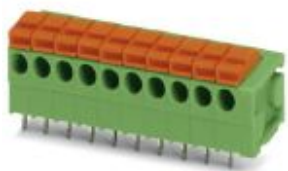


PCB terminal block - FFKDSA1/H-3,81-19 - 1703505

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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: 19, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.4 mm



The figure shows the 10-position version

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



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 50 pc |
| GTIN | |
| GTIN | 4046356655477 |

Technical data

Item properties

| | |
|---------------------------|---------------------------|
| Brief article description | PCB terminal block |
| Range of articles | FFKDS(A) 1,5/..-H |
| Pitch | 3.81 mm |
| Number of positions | 19 |
| Connection method | Push-in spring connection |
| Mounting type | Wave soldering |
| Pin layout | Linear double pinning |
| Number of levels | 1 |
| Number of connections | 19 |

PCB terminal block - FFKDSA1/H-3,81-19 - 1703505

Technical data

Item properties

| | |
|----------------------|----|
| Number of potentials | 19 |
|----------------------|----|

Electrical parameters

| | |
|-----------------------------|--------|
| Nominal current | 12 A |
| Nom. voltage | 160 V |
| Rated voltage | 160 V |
| Rated voltage (III/2) | 160 V |
| Rated 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 |

Connection capacity

| | |
|---|---|
| Connection method | Push-in spring connection |
| pluggable | Yes |
| Conductor cross section solid | 0.14 mm ² ... 1 mm ² |
| Conductor cross section flexible | 0.14 mm ² ... 1 mm ² |
| Conductor cross section AWG / kcmil | 26 ... 18 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 0.34 mm ² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.25 mm ² ... 0.34 mm ² |
| 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

| | |
|---|--------------|
| Housing color | green (6021) |
| 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] | 13.65 mm |
| Width [w] | 74.89 mm |

PCB terminal block - FFKDSA1/H-3,81-19 - 1703505

Technical data

Dimensions for the product

| | |
|-----------------------------|------------|
| Height [h] | 16.1 mm |
| Pitch | 3.81 mm |
| Height (without solder pin) | 12.7 mm |
| Solder pin [P] | 3.4 mm |
| Pin spacing | 5.08 mm |
| Pin dimensions | 0.5 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 | 50 |
| Denomination packing units | Pcs. |

Electrical tests

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

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440401 |
| 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 |

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Classifications

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

Approvals

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

Ex Approvals


Approval details


| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | | B | |
| Nominal voltage UN | | 150 V | |
| Nominal current IN | | 10 A | |
| mm ² /AWG/kcmil | | 26-18 | |

| | | |
|----------------------------|--|-------------|
| CCA | | NTR NL-7074 |
| Nominal voltage UN | | 130 V |
| mm ² /AWG/kcmil | | 1 |


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Approvals

| | | | |
|----------------------------|---|---|------------|
| KEMA-KEUR |  | http://www.dekra-certification.com | 2160724.01 |
| Nominal voltage UN | | 130 V | |
| mm ² /AWG/kcmil | | 1 | |

| | | | |
|----------------------------|---|---|----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | NL-25836 |
| Nominal voltage UN | | 130 V | |
| mm ² /AWG/kcmil | | 1 | |

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

| | | | |
|----------------------------|---|---|-----------------|
| 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 | |
| mm ² /AWG/kcmil | 26-16 | 26-16 | |

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