

PCB terminal block - ZFKDSA 4-7,5-16 - 1760646

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PCB terminal block, nominal current: 32 A, rated voltage (III/2): 630 V, nominal cross section: 4 mm², pitch: 7.5 mm, number of positions: 16, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 4.6 mm

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
- ✔ Separate bridge shaft for easily connecting multiple positions to jumpers
- ✔ Quick and convenient testing using integrated test option



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 pc |
| GTIN |  4 046356 353946 |
| GTIN | 4046356353946 |

Technical data

Item properties

| | |
|---------------------------|------------------------|
| Brief article description | PCB terminal block |
| Range of articles | ZFKDS(A) 4 |
| Pitch | 7.5 mm |
| Number of positions | 16 |
| Connection method | Spring-cage connection |
| Mounting type | Wave soldering |
| Pin layout | Linear double pinning |
| Number of levels | 1 |
| Number of connections | 16 |
| Number of potentials | 16 |

Electrical parameters

| | |
|-----------------|------|
| Nominal current | 32 A |
|-----------------|------|

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Technical data

Electrical parameters

| | |
|-----------------------------|--------|
| Nom. voltage | 630 V |
| Rated voltage | 500 V |
| Rated voltage (III/2) | 630 V |
| Rated voltage (II/2) | 1000 V |
| Rated surge voltage (III/3) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (II/2) | 6 kV |

Connection capacity

| | |
|---|--|
| Connection method | Spring-cage connection |
| pluggable | Yes |
| Conductor cross section solid | 0.2 mm ² ... 6 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross section AWG / kcmil | 24 ... 10 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 4 mm ² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.25 mm ² ... 4 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 (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 |
| 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] | 29 mm |
| Width [w] | 129 mm |
| Height [h] | 27.6 mm |
| Pitch | 7.5 mm |
| Height (without solder pin) | 23 mm |
| Solder pin [P] | 4.6 mm |
| Pin spacing | 12.5 mm |

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Technical data

Dimensions for the product

| | |
|----------------|------------|
| Pin dimensions | 1 x 1.4 mm |
|----------------|------------|

Dimensions for PCB design

| | |
|---------------|---------|
| Hole diameter | 1.8 mm |
| Pin spacing | 12.5 mm |

Packaging information

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

Electrical tests

| | |
|-----------------------------|-------------------|
| Rated current | 32 A |
| Conductor cross section | 4 mm ² |
| Rated voltage (III/2) | 630 V |
| Rated surge voltage (III/2) | 6 kV |

Standards and Regulations

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

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 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | 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 |
| UNSPSC 18.0 | 39121432 |
| UNSPSC 19.0 | 39121432 |
| UNSPSC 20.0 | 39121432 |
| UNSPSC 21.0 | 39121432 |

Approvals

Approvals


Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

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

| | | | |
|----------------------------|---|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19941110 |
| | B | C | D |
| Nominal voltage UN | 300 V | 150 V | 300 V |
| Nominal current IN | 30 A | 30 A | 10 A |
| mm ² /AWG/kcmil | 24-10 | 24-10 | 24-10 |

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