

## PCB terminal block - ZFKDS 1,5C-5,0 YE - 1702024

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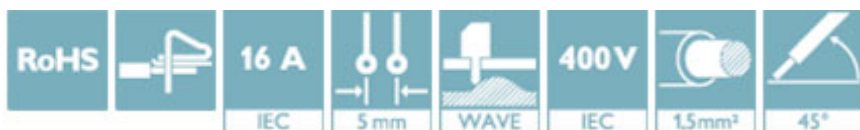


PCB terminal block, nominal current: 16 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 1, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: yellow. Single module for the custom grouping of different numbers of positions. An end terminal block is also needed to terminate the block (see accessories). Blocked items with different numbers of positions are also available.

The figure shows the green product version

### 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
- ✓ Actuation shafts that are parallel and orthogonal to the conductor axis enable flexible PCB designs
- ✓ 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           | 50 pc                                                                                                   |
| Minimum order quantity | 50 pc                                                                                                   |
| GTIN                   | <br>4 046356 570930 |
| GTIN                   | 4046356570930                                                                                           |

### Technical data

#### Dimensions

|                  |         |
|------------------|---------|
| Length [ L ]     | 14.1 mm |
| Pitch            | 5 mm    |
| Height           | 13 mm   |
| Solder pin [ P ] | 3.5 mm  |
| Pin spacing      | 5.08 mm |
| Hole diameter    | 1.1 mm  |

#### General

|                   |               |
|-------------------|---------------|
| Range of articles | ZFKDS(A) 1,5C |
|-------------------|---------------|

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## Technical data

### General

|                                        |                     |
|----------------------------------------|---------------------|
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 4 kV                |
| Rated surge voltage (III/2)            | 4 kV                |
| Rated surge voltage (II/2)             | 4 kV                |
| Rated voltage (III/3)                  | 250 V               |
| Rated voltage (III/2)                  | 400 V               |
| Rated voltage (II/2)                   | 630 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 16 A                |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 16 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 7 mm                |
| Number of positions                    | 1                   |

### Connection data

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| Conductor cross section AWG min.                    | 24                   |
| Conductor cross section AWG max.                    | 14                   |
| 2 conductors with same cross section, stranded min. | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max. | 0.5 mm <sup>2</sup>  |

### Standards and Regulations

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

## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

## PCB terminal block - ZFKDS 1,5C-5,0 YE - 1702024

### Approvals

#### Approval details

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

|                    |                                                                                   |                                                                                                                                                       |                 |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19941110 |
|                    | D                                                                                 | B                                                                                                                                                     |                 |
| Nominal voltage UN | 300 V                                                                             | 250 V                                                                                                                                                 |                 |
| Nominal current IN | 10 A                                                                              | 10 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 26-12                                                                             | 26-12                                                                                                                                                 |                 |

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