

## PCB terminal block - GKDS - 1706028

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PCB terminal block, nominal current: 24 A, nom. voltage: 630 V, pitch: 7.5 mm, number of positions: 1, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green. The article can be aligned to create different nos. of positions!

### Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Quick and convenient testing using integrated test option
- ✓ 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 STK        |
| Minimum order quantity               | 50 STK        |
| GTIN                                 |               |
| GTIN                                 | 4017918023324 |
| Weight per Piece (excluding packing) | 3.890 g       |
| Custom tariff number                 | 85369010      |
| Country of origin                    | Germany       |

### Technical data

#### Dimensions

|                       |         |
|-----------------------|---------|
| Length [ l ]          | 19 mm   |
| Pitch                 | 7.5 mm  |
| Width [ w ]           | 7.5 mm  |
| Constructional height | 20 mm   |
| Height [ h ]          | 19.5 mm |
| Solder pin [ P ]      | 5 mm    |

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## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 1,1 X 0,8 mm |
| Hole diameter  | 1.4 mm       |

### General

|  |                     |
|--|---------------------|
| Range of articles                      | GKDS                |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 6 kV                |
| Rated surge voltage (III/2)            | 6 kV                |
| Rated surge voltage (II/2)             | 6 kV                |
| Rated voltage (III/3)                  | 500 V               |
| Rated voltage (III/2)                  | 630 V               |
| Rated voltage (II/2)                   | 1000 V              |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 24 A                |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 32 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V2                  |
| Internal cylindrical gage              | A3                  |
| Stripping length                       | 9 mm                |
| Number of positions                    | 1                   |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.5 Nm              |
| Tightening torque max                  | 0.6 Nm              |

### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 4 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.            | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.            | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.               | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.  | 24                   |
| Conductor cross section AWG max.  | 12                   |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |

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## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup>   |

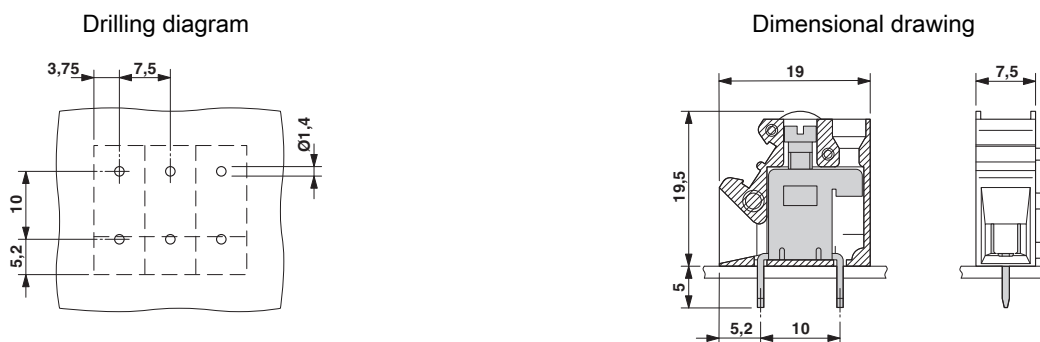
### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CSA    |
| Flammability rating according to UL 94 | V2     |

### Environmental Product Compliance

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

## Drawings



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| 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 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | 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 / UL Recognized / CCA / EAC / SEV / RS

#### Ex Approvals

### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
| Nominal voltage UN         |   | 300 V   |       |
| Nominal current IN         |   | 10 A  |       |
| mm <sup>2</sup> /AWG/kcmil |   | 22-12   |       |

|                            |   |   |              |
|----------------------------|---|---|--------------|
| UL 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> | FILE E 60425 |
|                            | D   | B   | C            |
| Nominal voltage UN         | 300 V   | 250 V   | 50 V         |
| Nominal current IN         | 10 A  | 15 A  | 15 A         |
| mm <sup>2</sup> /AWG/kcmil | 30-14   | 30-14   | 30-14        |

|                            |         |       |
|----------------------------|---------|-------|
| CCA                        | IK-3249 |       |
| Nominal voltage UN         |         | 500 V |
| mm <sup>2</sup> /AWG/kcmil |         | 4     |

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## Approvals

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

|                            |  |   |         |
|----------------------------|--|---|---------|
| SEV                        |  | <a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a> | IK-4199 |
| Nominal voltage UN         |  | 500 V   |         |
| Nominal current IN         |  | 32 A  |         |
| mm <sup>2</sup> /AWG/kcmil |  | 4   |         |

|    |  |   |              |
|----|--|---|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00014.272 |
|----|--|---|--------------|

## Accessories

### Accessories

#### Insertion bridge

Insertion bridge - EB 2- BK 4 - 0801157



Insertion bridge, 2-pos., for strip terminal block, BK 4

Insertion bridge - EB 3- BK 4 - 0801144



Insertion bridge, 3-pos., for strip terminal block, BK 4

Insertion bridge - EB 10- BK 4 - 0801131



Insertion bridge, 10-pos., for strip terminal block, BK 4

## PCB terminal block - GKDS - 1706028

### Accessories

#### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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#### Pitch spacer

PCB terminal block - GRZ 2,5 - 1706057

Pitch spacer, 2.5 mm wide

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#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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#### Terminal marking

Marker pin Zack strip - BN-ZB 7,5/WH:UNBEDRUCKT - 1401844



Marker pin Zack strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, mounting type: Plug in, for terminal block width: 7.5 mm, lettering field size: 6 x 4 mm

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#### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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### Accessories

Test plugs - MPS-MT - 0201744



, rated voltage (III/2): , nominal current (Ex): , nominal voltage (Ex): , number of positions: 1, pitch: 5 mm, connection method: , mounting: ,

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PCB terminal block - TP-KDS/GKDS - 1701793



PCB terminal block, pitch: 0 mm, number of positions: 1

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