

## PCB terminal block - KDS 3-PMT BK - 1987423

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PCB terminal block, nominal current: 15 A, nom. voltage: 320 V, pitch: 5.08 mm, number of positions: 1, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: black


The figure shows the standard product in green

### Your advantages

- ✓ 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
- ✓ Color-coded isolating plugs for easy circuit disconnection
- ✓ 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         | <br>4 017918 928803 |
| GTIN         | 4017918928803   |

### Technical data

#### Dimensions

|                |         |
|----------------|---------|
| Length [ l ]   | 27 mm   |
| Pitch          | 5.08 mm |
| Width [ w ]    | 5.08 mm |
| Height         | 37 mm   |
| Height [ h ]   | 40.5 mm |
| Solder pin [P] | 3.5 mm  |
| Hole diameter  | 1.4 mm  |

#### General

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## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | KDS 3-PMT           |
| 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)            | 320 V               |
| Rated voltage (III/2)            | 320 V               |
| Rated voltage (II/2)             | 630 V               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current $I_N$            | 15 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |
| Internal cylindrical gage        | A3                  |
| Stripping length                 | 8 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 flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 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 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> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.75 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 |
|                                  | UL     |

### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1                           |
| China RoHS | Environmentally Friendly Use Period = 50 |

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## Technical data

### Environmental Product Compliance

|  |   |
|--|---|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

## Approvals

### Approvals


#### Approvals


CCA / UL Recognized / SEV / EAC

#### Ex Approvals

### Approval details

| CCA                        | IK-3249 |
|----------------------------|---------|
| Nominal voltage UN         | 250 V   |
| mm <sup>2</sup> /AWG/kcmil | 4       |

|                            |   |   |              |
|----------------------------|---|---|--------------|
| 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   |              |
| Nominal voltage UN         | 300 V   | 250 V   |              |
| Nominal current IN         | 10 A  | 15 A  |              |
| mm <sup>2</sup> /AWG/kcmil | 28-12   | 28-12   |              |

|                            |   |   |         |
|----------------------------|---|---|---------|
| SEV                        |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-4199 |
| Nominal voltage UN         | 250 V   |   |         |
| Nominal current IN         | 15 A  |   |         |
| mm <sup>2</sup> /AWG/kcmil | 4   |   |         |

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

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