

## PCB terminal block - KDS 3-SILED 24 - 1780196

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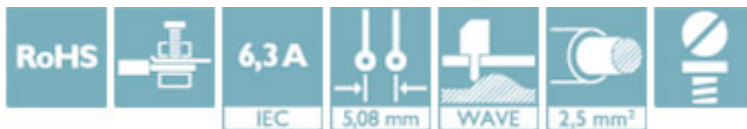


PCB terminal block, nominal current: 6.3 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, pitch: 5.08 mm, number of positions: 1, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.5 mm. The article can be aligned to create different nos. of positions! The current is determined by the fuse used. The voltage is determined by the LED used.

The figure shows a 2-pos. version of the product

### 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
- ✓ 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                                                                                                   |
| Minimum order quantity | 50 pc                                                                                                   |
| GTIN                   | <br>4 017918 040772 |
| GTIN                   | 4017918040772                                                                                           |

### Technical data

#### Dimensions

|                |         |
|----------------|---------|
| Length [ l ]   | 27 mm   |
| Pitch          | 5.08 mm |
| Width [ w ]    | 5.08 mm |
| Height         | 41 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-SI            |
| 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 $I_N$            | 6.3 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 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

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
|            | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## PCB terminal block - KDS 3-SILED 24 - 1780196

### Approvals

#### Approvals

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#### Approvals

UL Recognized / EAC

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#### Ex Approvals

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#### Approval details

|                    |                                                                                   |                                                                                                                                                       |              |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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 |
|                    | B                                                                                 | D                                                                                                                                                     |              |
| Nominal voltage UN | 250 V                                                                             | 300 V                                                                                                                                                 |              |
| Nominal current IN | 15 A                                                                              | 10 A                                                                                                                                                  |              |
| mm²/AWG/kcmil      | 28-12                                                                             | 28-12                                                                                                                                                 |              |

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

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