

## PCB terminal block - MKDSO 2,5/ 2-R KMGY - 2915258

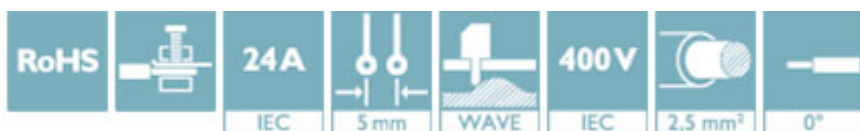
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PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: light gray. Article with lateral pin exit

### Why buy this product

- PCB terminal block for ME/ME MAX electronics housing
- 5 mm pitch
- PCB terminal block orthogonal to the PCB
- 



### Key Commercial Data

|                                      |               |
|--------------------------------------|---------------|
| Packing unit                         | 250 STK       |
| GTIN                                 |               |
| GTIN                                 | 4046356167697 |
| Weight per Piece (excluding packing) | 3.700 g       |
| Custom tariff number                 | 85369010      |
| Country of origin                    | Germany       |

### Technical data

#### Dimensions

|                       |         |
|-----------------------|---------|
| Length [ L ]          | 15.3 mm |
| Pitch                 | 5 mm    |
| Dimension a           | 5 mm    |
| Constructional height | 18 mm   |
| Solder pin [P]        | 3.5 mm  |
| Pin dimensions        | 0,8 x 1 |
| Hole diameter         | 1.4 mm  |

#### General

|                   |                |
|-------------------|----------------|
| Range of articles | MKDSO 2,5/..-R |
|-------------------|----------------|

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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 <sub>N</sub>         | 24 A                |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Maximum load current                   | 24 A                |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A2                  |
| Stripping length                       | 8 mm                |
| Number of positions                    | 2                   |
| Screw thread                           | M3                  |
| Tightening torque, min                 | 0.5 Nm              |
| Tightening torque max                  | 0.6 Nm              |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                                   | 0.14 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.                                                        | 26                   |
| Conductor cross section AWG max.                                                        | 14                   |
| 2 conductors with same cross section, solid min.                                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 0.75 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>  |

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## Technical data

### Connection data

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup> |
|-----------------------------------------------------------------------------------------|---------------------|

### Standards and Regulations

|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CSA    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27141190 |
| eCl@ss 7.0 | 27141190 |
| 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 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals

# PCB terminal block - MKDSO 2,5/ 2-R KMGY - 2915258

## Approvals

Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / EAC / cULus Recognized

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

|                                         |  |                                                                                                                                                                                                         |          |
|-----------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40023968 |
|                                         |  |                                                                                                                                                                                                         |          |
| mm <sup>2</sup> /AWG/kcmil              |  | 0.2-2.5                                                                                                                                                                                                 |          |
| Nominal current IN                      |  | 24 A                                                                                                                                                                                                    |          |
| Nominal voltage UN                      |  | 450 V                                                                                                                                                                                                   |          |

|                            |  |                                                           |           |
|----------------------------|--|-----------------------------------------------------------|-----------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58860 |
|                            |  |                                                           |           |
| mm <sup>2</sup> /AWG/kcmil |  | 2.5                                                       |           |
| Nominal current IN         |  | 24 A                                                      |           |
| Nominal voltage UN         |  | 450 V                                                     |           |

|     |  |  |               |
|-----|--|--|---------------|
| EAC |  |  | EAC-Zulassung |
|-----|--|--|---------------|

|                            |  |                                                                                                                                                       |                 |
|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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> | E60425-19770427 |
|                            |  | B                                                                                                                                                     | D               |
| mm <sup>2</sup> /AWG/kcmil |  | 30-12                                                                                                                                                 | 30-12           |

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### Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 20 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

### Accessories

Accessories

Mounting material

Components of electronic housing - ME-SAS - 2853899



Shield connection clip for printed circuit terminal block