

PCB terminal block - MKDS 3/ 3-EMG 15 - 1712698

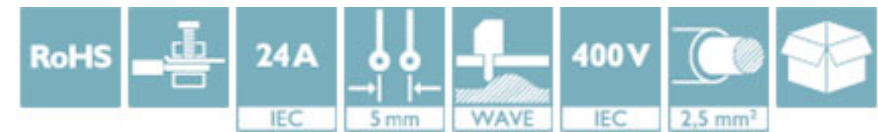
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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Matches EMG 15 component housing

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- ✔ 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                   | <br>4 017918 023829 |
| GTIN                   | 4017918023829                                                                                           |
| Custom tariff number   | 8536909000                                                                                              |
| Sales Key              | AAACAA                                                                                                  |

Technical data

Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 11.2 mm      |
| Pitch                    | 5 mm         |
| Dimension a              | 10 mm        |
| Constructional height    | 18 mm        |
| Height                   | 18 mm        |
| Length of the solder pin | 5 mm         |
| Pin dimensions           | 0,9 x 0,9 mm |
| Pin spacing              | 5 mm         |

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## PCB terminal block - MKDS 3/ 3-EMG 15 - 1712698

### Technical data

#### Dimensions

|               |        |
|---------------|--------|
| Hole diameter | 1.3 mm |
|---------------|--------|

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDS 3              |
| 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> |
| Solder pin surface               | Sn                  |
| Internal cylindrical gage        | A3                  |
| Stripping length                 | 8 mm                |
| Number of positions              | 3                   |
| 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.                                        | 1.5 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.                                     | 1.5 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. | 1.5 mm <sup>2</sup>  |

#### Standards and Regulations

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

#### Environmental Product Compliance

|            |                                          |
|------------|------------------------------------------|
| 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

CSA / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                                |                                                                                     |                                                                                                                                                                                           |       |
|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                            |  | <a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a> | 13631 |
|                                | B                                                                                   | D                                                                                                                                                                                         |       |
| mm²/AWG/kcmil                  | 28-12                                                                               | 28-12                                                                                                                                                                                     |       |
| Nominal current I <sub>N</sub> | 10 A                                                                                | 10 A                                                                                                                                                                                      |       |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 V                                                                                                                                                                                     |       |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| 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> | E60425-19770427 |
|                                | B                                                                                   | D                                                                                                                                                     |                 |
| mm²/AWG/kcmil                  | 30-12                                                                               | 30-12                                                                                                                                                 |                 |
| Nominal current I <sub>N</sub> | 15 A                                                                                | 10 A                                                                                                                                                  |                 |
| Nominal voltage U <sub>N</sub> | 300 V                                                                               | 300 V                                                                                                                                                 |                 |

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