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## PCB terminal block - MKDSO 2,5 HV/ 3L-7,5 KMGY - 2890946

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 630 V, Pitch: 7.5 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Article with lateral pin exit

### Why buy this product

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



### Key Commercial Data

|              |                 |
|--------------|-----------------|
| Packing unit | 50 STK          |
| GTIN         | 4 046356 101585 |

### Technical data

#### Dimensions

|                          |               |
|--------------------------|---------------|
| Pitch                    | 7.50 mm       |
| Dimension a              | 15 mm         |
| Length of the solder pin | 3.5 mm        |
| Pin dimensions           | 0,8 mm x 1 mm |
| Hole diameter            | 1.4 mm        |

#### General

|                             |                    |
|-----------------------------|--------------------|
| Range of articles           | MKDSO 2,5 HV/...-L |
| 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)       | 600 V              |
| Rated voltage (III/2)       | 630 V              |
| Rated voltage (II/2)        | 1000 V             |

# PCB terminal block - MKDSO 2,5 HV/ 3L-7,5 KMGY - 2890946

## Technical data

### General

|  |                     |
|--|---------------------|
| 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                   | 24 A                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A2                  |
| 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 solid min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 2.5 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.  | 14                   |
| 2 conductors with same cross section, solid min.  | 0.2 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.                                     | 0.25 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. | 0.25 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 |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

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## 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 |

### UNSPSC

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

## Approvals

### Approvals


#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |       |
|---|-------|-------|-------|
| UL Recognized  |       |       |       |
|   | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 30-12 | 30-12 | 30-12 |

# PCB terminal block - MKDSO 2,5 HV/ 3L-7,5 KMGY - 2890946

## Approvals

|                    | B     | C     | D     |
|--------------------|-------|-------|-------|
| Nominal current IN | 20 A  | 20 A  | 5 A   |
| Nominal voltage UN | 300 V | 300 V | 600 V |

VDE Gutachten mit Fertigungsüberwachung

|                            |         |  |  |
|----------------------------|---------|--|--|
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |  |  |
| Nominal current IN         | 24 A    |  |  |
| Nominal voltage UN         | 750 V   |  |  |

cUL Recognized

|                            | B     | C     | D     |
|----------------------------|-------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 30-12 | 30-12 | 30-12 |
| Nominal current IN         | 20 A  | 20 A  | 5 A   |
| Nominal voltage UN         | 300 V | 300 V | 600 V |

CCA

|                            |       |  |  |
|----------------------------|-------|--|--|
| mm <sup>2</sup> /AWG/kcmil | 2.5   |  |  |
| Nominal current IN         | 24 A  |  |  |
| Nominal voltage UN         | 750 V |  |  |

IECEE CB Scheme

|                            |       |  |  |
|----------------------------|-------|--|--|
| mm <sup>2</sup> /AWG/kcmil | 2.5   |  |  |
| Nominal current IN         | 24 A  |  |  |
| Nominal voltage UN         | 750 V |  |  |

EAC

cULus Recognized

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