

## PCB terminal block - MKDSN 2,5/ 3 VPE500 - 1986961

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PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0°

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 500           |
| GTIN             | 4017918924546 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 9.5 mm       |
| Pitch          | 5 mm         |
| Dimension a    | 10 mm        |
| Pin dimensions | 0,8 x 0,9 mm |
| Pin spacing    | 5 mm         |
| Hole diameter  | 1.3 mm       |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDSN 2,5           |
| 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 $I_N$            | 16 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |
| Solder pin surface               | Sn                  |
| Internal cylindrical gage        | A3                  |
| Stripping length                 | 6.5 mm              |
| Number of positions              | 3                   |
| Screw thread                     | M3                  |
| Tightening torque, min           | 0.5 Nm              |
| Tightening torque max            | 0.6 Nm              |

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## Technical data

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil 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.                                     | 0.2 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>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 30                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

## 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 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 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

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GOST / cULus Recognized /

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### approvals

#### Approval details

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                       | B     | D     |
| Nominal voltage UN                                                                              | 300 V | 300 V |
| Nominal current IN                                                                              | 20 A  | 10 A  |
| mm²/AWG/kcmil                                                                                   | 30-12 | 30-12 |

|                                                                                                                           |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| Nominal voltage UN                                                                                                        | 250 V   |
| Nominal current IN                                                                                                        | 24 A    |
| mm²/AWG/kcmil                                                                                                             | 0.2-2.5 |

| cUL Recognized  |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                          | B     | D     |
| Nominal voltage UN                                                                                 | 300 V | 300 V |
| Nominal current IN                                                                                 | 20 A  | 10 A  |
| mm²/AWG/kcmil                                                                                      | 30-12 | 30-12 |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|                                                                                     |
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|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|