

## PCB terminal block - MKDSN 2,5/ 2-5,08 BK - 1800881

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: black



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 3.32 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 9.5 mm       |
| Pitch                    | 5.08 mm      |
| Dimension a              | 5.08 mm      |
| Width                    | 10.16 mm     |
| Constructional height    | 15 mm        |
| Height                   | 18.5 mm      |
| Length of the solder pin | 3.5 mm       |
| Pin dimensions           | 0,8 x 0,9 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     |

# PCB terminal block - MKDSN 2,5/ 2-5,08 BK - 1800881

## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| Connection in acc. with standard | EN-VDE              |
| Nominal current $I_N$            | 16 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |
| Insulating material              | PA                  |
| Solder pin surface               | Sn                  |
| Internal cylindrical gage        | A3                  |
| Stripping length                 | 6.5 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 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.                                     | 0.2 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>  |

### Standards and Regulations

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

## 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 |

# PCB terminal block - MKDSN 2,5/ 2-5,08 BK - 1800881

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440401 |
| 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

VDE Gutachten mit Fertigungsüberwachung / EAC / EAC / cULus Recognized / cULus Recognized

---


### Ex Approvals

---

### Approvals submitted

---

## Approval details

|   |         |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm <sup>2</sup> /AWG/kcmil  | 0.2-2.5 |
| Nominal current I <sub>N</sub>  | 24 A    |
| Nominal voltage U <sub>N</sub>  | 250 V   |

## PCB terminal block - MKDSN 2,5/ 2-5,08 BK - 1800881

### Approvals

EAC

EAC

| cULus Recognized               |       |       |
|--------------------------------|-------|-------|
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 20 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

cULus Recognized 