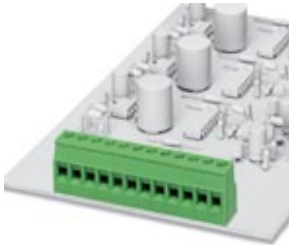


## PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 3, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The illustration shows a combination as a 12-position version



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 50                                                                                                      |
| Catalog page           | Page 30 (CC-2005)                                                                                       |
| GTIN                   | <br>4 017918 116156 |
| Custom tariff number   | 85369010                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |              |
|------------------------|--------------|
| Length                 | 11.62 mm     |
| Pitch                  | 5.08 mm      |
| Dimension a            | 10.16 mm     |
| Number of positions    | 3            |
| Pin dimensions         | 1,1 x 0,8 mm |
| Hole diameter          | 1.4 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |
| Tightening torque max  | 0.6 Nm       |

#### Technical data

|                             |           |
|-----------------------------|-----------|
| Range of articles           | MKDSD 2,5 |
| 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      |

# PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

## Technical data

### Technical data

|                                         |                     |
|-----------------------------------------|---------------------|
| 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                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 8 mm                |
| Nominal voltage, UL/CUL Use Group B     | 300 V               |
| Nominal current, UL/CUL Use Group B     | 20 A                |
| Nominal voltage, UL/CUL Use Group D     | 300 V               |
| Nominal current, UL/CUL Use Group D     | 10 A                |

### 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 stranded min.                                                   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                                   | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 26                   |
| Conductor cross section AWG/kcmil 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>  |
| 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                   |

## PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

### Classifications

#### eclass

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

#### 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

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / GOST / cULus Recognized

##### Ex Approvals

##### Approvals submitted

#### Approval details

|                                                                                         |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                         | 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 |

## PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

### Approvals

| UL Recognized  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm²/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 |

| SEV                            |       |
|--------------------------------|-------|
|                                |       |
| mm²/AWG/kcmil                  | 2.5   |
| Nominal voltage U <sub>N</sub> | 250 V |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                  | B     | D     |
| mm²/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 |

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

| CCA                            |       |
|--------------------------------|-------|
|                                |       |
| mm²/AWG/kcmil                  | 2.5   |
| Nominal voltage U <sub>N</sub> | 250 V |

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

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

### Accessories

Accessories

Marking

## PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

### Accessories

Marker cards - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker cards, Card, white, Unlabeled, Can be labeled with: Thermomark R, Thermomark X, Thermomark S, Mounting type: Adhesive, For terminal block width: 5.08 mm

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Marker cards - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5.08 mm

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Marker cards - SK 5,08/3,8: 0-9 - 0804303



Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 0 - 9, Mounting type: Adhesive, For terminal block width: 5.08 mm

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Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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## PCB terminal block - MKDSD 2,5/ 3-5,08 - 1730515

### Accessories

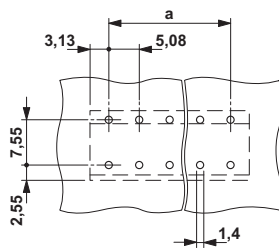
Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

### Drawings

Drilling diagram



Dimensioned drawing

