

## PCB terminal block - MKDSF 3/ 3-5,08 - 1712737

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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: 90 °, Color: green, The article can be aligned to create different nos. of positions!

### Product Features

- ✓ MKDSF 3 with angled solder pin guided out the back of the housing
- ✓ Horizontal series with vertical connection direction to the PCB
- ✓ Generously dimensioned wiring space, solid conductors up to 4 mm<sup>2</sup>

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918023850 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 18 mm        |
| Pitch          | 5.08 mm      |
| Dimension a    | 10.16 mm     |
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter  | 1.3 mm       |

#### General

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| Range of articles                | MKDSF 3                                               |
| 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                                                  |
| 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             | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Insulating material              | PA                                                    |
| Solder pin surface               | Sn                                                    |

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## Technical data

### General

|                                         |        |
|-----------------------------------------|--------|
| Inflammability class according to UL 94 | V0     |
| 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 solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 4 mm <sup>2</sup>    |
| Conductor cross section stranded min.                                                   | 0.2 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.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                  | 24                   |
| Conductor cross section AWG/kcmil 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>  |
| 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 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 6.0</b> | 27261101 |
| <b>eCl@ss 7.0</b> | 27440401 |
| <b>eCl@ss 8.0</b> | 27440401 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 3.0</b> | EC001121 |
| <b>ETIM 4.0</b> | EC002643 |
| <b>ETIM 5.0</b> | EC002643 |

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211801 |
| <b>UNSPSC 7.0901</b> | 39121432 |
| <b>UNSPSC 11</b>     | 39121432 |
| <b>UNSPSC 12.01</b>  | 39121432 |
| <b>UNSPSC 13.2</b>   | 39121432 |

## approvals

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

### Approval details

| <b>CSA</b>  |       |       |
|------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                      | B     | D     |
| Nominal voltage UN                                                                             | 300 V | 300 V |
| Nominal current IN                                                                             | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                  | 28-12 | 28-12 |

| <b>UL Recognized</b>  |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                | B     | D     |
| Nominal voltage UN                                                                                       | 250 V | 300 V |
| Nominal current IN                                                                                       | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                            | 30-12 | 30-12 |

|                    |       |
|--------------------|-------|
| <b>SEV</b>         |       |
| Nominal voltage UN | 250 V |
| Nominal current IN |       |

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### approvals

|               |   |
|---------------|---|
|               |   |
| mm²/AWG/kcmil | 4 |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                        | B     | D     |
| Nominal voltage UN                                                                               | 250 V | 300 V |
| Nominal current IN                                                                               | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                    | 30-12 | 30-12 |

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

|                    |       |
|--------------------|-------|
| CCA                |       |
|                    |       |
| Nominal voltage UN | 250 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 4     |

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

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

### accessories

#### Screwdriver tools

SZS 0,6X3,5 - 1205053



#### Labeled terminal marker

## PCB terminal block - MKDSF 3/ 3-5,08 - 1712737

### accessories

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



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### Bridge

EBP 2- 5 - 1733169

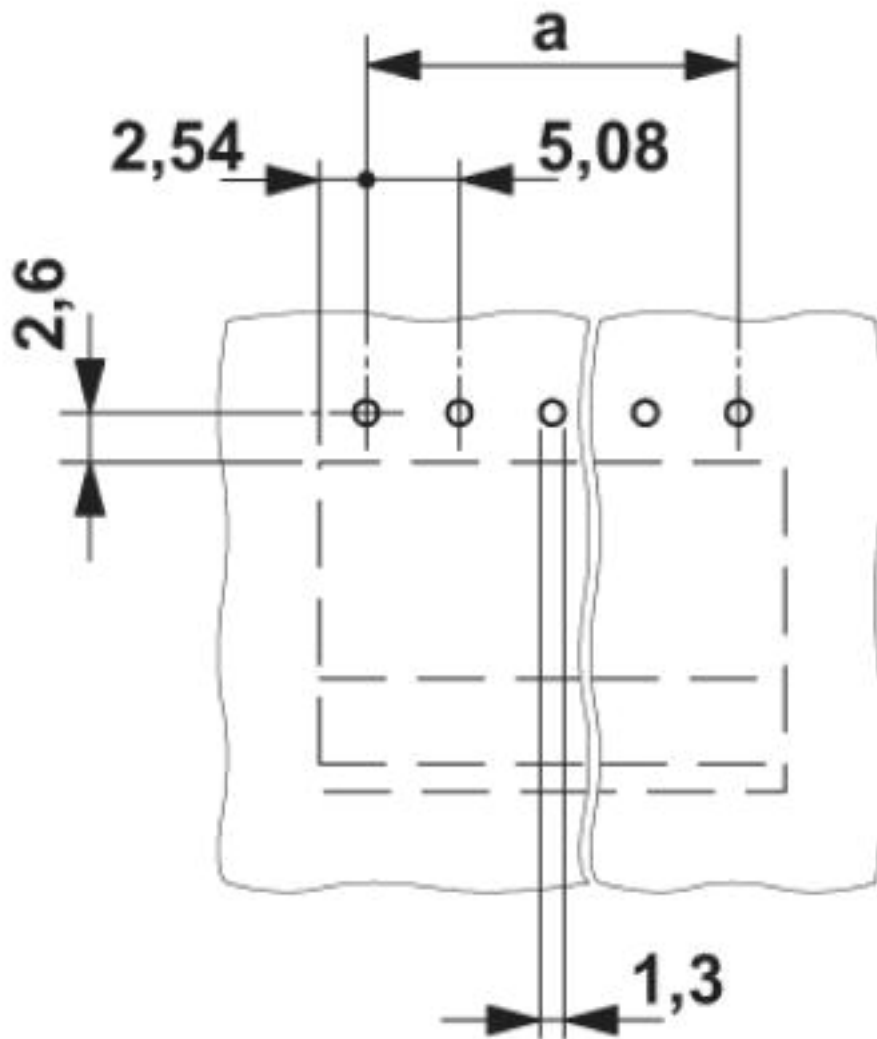


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### Drawings

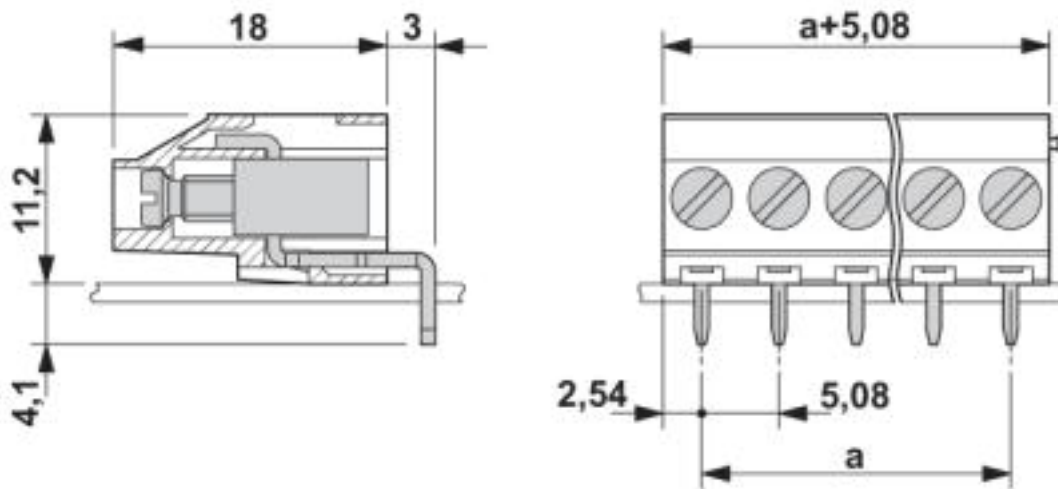
## PCB terminal block - MKDSF 3/ 3-5,08 - 1712737

Drilling diagram



## PCB terminal block - MKDSF 3/ 3-5,08 - 1712737

Dimensioned drawing



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