

## PCB terminal block - MKDS 2,5/ 5-5,08 - 1730421

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 5, 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918116224 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 11.62 mm     |
| Pitch          | 5.08 mm      |
| Dimension a    | 20.32 mm     |
| Pin dimensions | 1,1 x 0,8 mm |
| Hole diameter  | 1.4 mm       |

#### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | MKDS 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                |
| 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 $I_N$                   | 24 A                |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 24 A                |
| Insulating material                     | PA                  |
| Solder pin surface                      | Sn                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |

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## Technical data

### General

|                        |        |
|------------------------|--------|
| Stripping length       | 8 mm   |
| Number of positions    | 5      |
| Screw thread           | M3     |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

### 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                   |

## 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 |

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## classifications

eCl@ss

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

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

### Approval details

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

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

|                    |       |
|--------------------|-------|
| <b>SEV</b>         |       |
| Nominal voltage UN | 400 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 2.5   |

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### approvals

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

|                    |       |
|--------------------|-------|
| <b>CCA</b>         |       |
| Nominal voltage UN | 400 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 2.5   |

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

### accessories

#### Labeled terminal marker

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



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#### Screwdriver tools

SZS 0,6X3,5 - 1205053



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#### Bridge

## PCB terminal block - MKDS 2,5/ 5-5,08 - 1730421

accessories

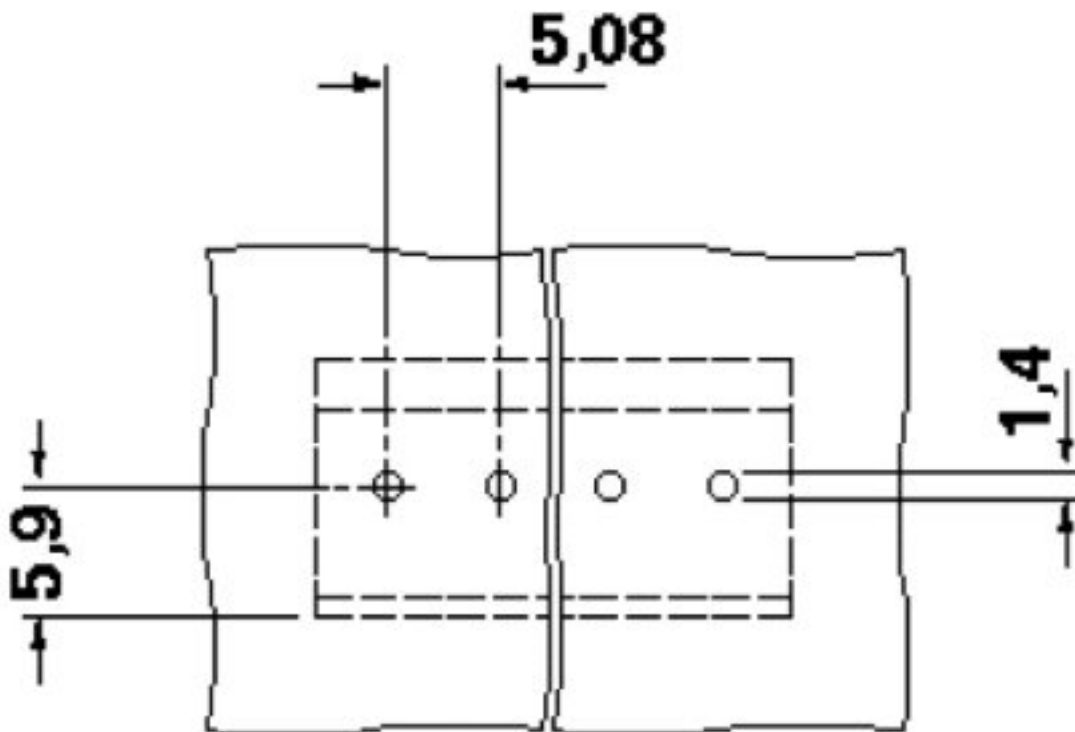
EBP 2- 5 - 1733169



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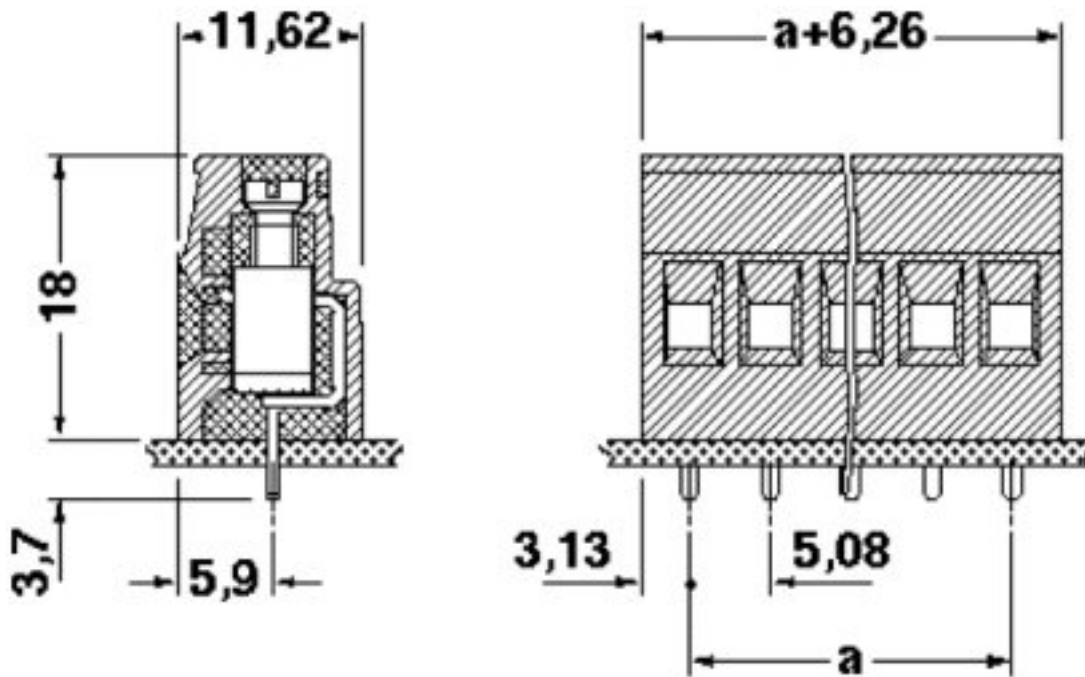
### Drawings

Drilling diagram



## PCB terminal block - MKDS 2,5/ 5-5,08 - 1730421

Dimensioned drawing



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