

## PCB terminal block - GSMKDS 3/ 3 - 1733033

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 630 V, Pitch: 7.5 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 55 °, Color: green, The article can be aligned to create different nos. of positions!


The illustration shows a 2-position version

### Product Features

- Conductor and screwdriver axis at an angle of 35° to the usual direction
- Can be consistently connected in series with the corresponding standard models of the MKDS 3 range
- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height
- Single-row PCB terminal blocks for 630 V applications with 7.62 mm pitch



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 026493 |
| Weight per Piece (excluding packing) | 7.06 g                                                                                                  |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                          |         |
|--------------------------|---------|
| Length                   | 16 mm   |
| Pitch                    | 7.50 mm |
| Dimension a              | 15 mm   |
| Constructional height    | 18 mm   |
| Length of the solder pin | 4.5 mm  |

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### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter  | 1.3 mm       |

#### General

|                                        |                                                       |
|----------------------------------------|-------------------------------------------------------|
| Range of articles                      | GSMKDS 3                                              |
| Insulating material group              | II                                                    |
| Rated surge voltage (III/3)            | 6 kV                                                  |
| Rated surge voltage (III/2)            | 6 kV                                                  |
| Rated surge voltage (II/2)             | 6 kV                                                  |
| Rated voltage (III/3)                  | 500 V                                                 |
| Rated voltage (III/2)                  | 630 V                                                 |
| Rated voltage (II/2)                   | 1000 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                   | 30 A (with 4 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA                                                    |
| Solder pin surface                     | Sn                                                    |
| Flammability rating 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 flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 24                   |
| Conductor cross section AWG max.                                           | 12                   |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |

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### Technical data

#### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| 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>  |

#### Standards and Regulations

|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CSA    |
| Flammability rating according to UL 94 | V0     |

### 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 |
| 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 |

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## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /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 |

|                                |       |       |
|--------------------------------|-------|-------|
| UL Recognized                  |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 4     |
| Nominal voltage U <sub>N</sub> | 500 V |

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## Approvals

|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 250 V | 300 V |

|                                |       |
|--------------------------------|-------|
| CCA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 4     |
| Nominal voltage U <sub>N</sub> | 500 V |

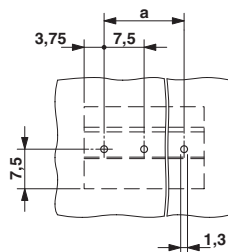
|     |
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| EAC |
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| EAC |
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|                  |
|------------------|
| cULus Recognized |
|------------------|

## Drawings

Drilling diagram



Dimensional drawing

