

## PCB terminal block - SMKDSP 1,5/ 9-5,08 - 1733648

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 9, 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 figure shows a 10-position version of the product

### Product Features

- Conductor and screwdriver axis at an angle of 35° to the usual direction
- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height
- With 2.3 mm Ø test connection
- Single-row PCB terminal blocks for conductor cross sections up to 1.5 mm<sup>2</sup>



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| GTIN                                 |          |
| Weight per Piece (excluding packing) | 13.84 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |          |
|--------------------------|----------|
| Length                   | 13.4 mm  |
| Pitch                    | 5.08 mm  |
| Dimension a              | 40.64 mm |
| Constructional height    | 16 mm    |
| Length of the solder pin | 3.5 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                      | SMKDSP 1,5  |
| 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 $I_N$                  | 17.5 A  |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                       |
| Maximum load current                   | 22 A (with a 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA  |
| Solder pin surface                     | Sn  |
| Flammability rating according to UL 94 | V0  |
| Internal cylindrical gage              | A1  |
| Stripping length                       | 7 mm  |
| Number of positions                    | 9   |
| 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 flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 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. | 1.5 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.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG max.   | 14                   |
| 2 conductors with same cross section, solid min.                           | 0.14 mm <sup>2</sup> |

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## Technical data

### Connection data

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, solid max.  | 1 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.   | 0.5 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 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

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#### Approvals

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

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#### Ex Approvals


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#### Approvals submitted

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## Approval details


|  |       |       |
|--|-------|-------|
| CSA  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 28-14 | 28-14 |
| 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  | 30-14 | 30-14 |
| 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     | 2.5   |
| Nominal current I <sub>N</sub> | 22 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

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## Approvals

|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 30-14 | 30-14 |
| Nominal current I <sub>N</sub>   | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>   | 250 V | 300 V |


CCA

IECEE CB Scheme 

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 2.5   |
| Nominal current I <sub>N</sub> | 22 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

EAC

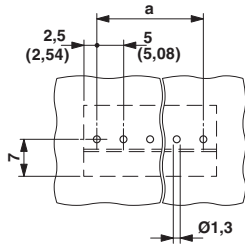
EAC

cULus Recognized 

## Drawings

# PCB terminal block - SMKDSP 1,5/ 9-5,08 - 1733648

Drilling diagram



Dimensional drawing

