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# PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

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PC terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 5, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 35 °, Color: green



The figure shows a 10-position version of the product

## Why buy this product

- 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>
- 5.0 or 5.08 mm pitch



## Key commercial data

|                        |   |
|------------------------|---|
| Packing unit           | 1   |
| Minimum order quantity | 1   |
| Catalog page           | Page 87 (CC-2011)   |
| GTIN                   | <br>4 017918 026691 |
| Custom tariff number   | 85369010  |
| Country of origin      | GERMANY   |

## Technical data

### Dimensions / positions

|                        |              |
|------------------------|--------------|
| Length                 | 13.4 mm      |
| Pitch                  | 5.08 mm      |
| Dimension a            | 20.32 mm     |
| Number of positions    | 5            |
| Pin dimensions         | 0,9 x 0,9 mm |
| Hole diameter          | 1.3 mm       |
| Screw thread           | M3           |
| Tightening torque, min | 0.5 Nm       |
| Tightening torque max  | 0.6 Nm       |

## PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

### Technical data

#### Technical data

|   |   |
|---|---|
| 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 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA  |
| Inflammability class according to UL 94 | V0  |
| Internal cylindrical gage               | A 1   |
| Stripping length                        | 7 mm  |
| Nominal voltage, UL/CUL Use Group B     | 250 V   |
| Nominal current, UL/CUL Use Group B     | 15 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.   | 1.5 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.            | 1.5 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.                                      | 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>  |

# PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

## Technical data

### Connection data

|   |                     |
|---|---------------------|
| 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>   |
| Minimum AWG according to UL/CUL   | 30                  |
| Maximum AWG according to UL/CUL   | 14                  |

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 11     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |

### 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 |

## Approvals

### Approvals

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#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEE CB Scheme / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details



# PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

## Approvals

CSA

|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 28-14 | 28-14 |
| Nominal current IN         | 10 A  | 10 A  |
| Nominal voltage UN         | 300 V | 300 V |

UL Recognized

|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 30-14 | 30-14 |
| Nominal current IN         | 15 A  | 10 A  |
| Nominal voltage UN         | 250 V | 300 V |

SEV

|                            |       |
|----------------------------|-------|
| mm <sup>2</sup> /AWG/kcmil | 2.5   |
| Nominal voltage UN         | 250 V |

cUL Recognized

|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 30-14 | 30-14 |
| Nominal current IN         | 15 A  | 10 A  |
| Nominal voltage UN         | 250 V | 300 V |

GOST


CCA

IECEE CB Scheme

GOST

# PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

## Approvals

cULus Recognized 

## Accessories

### Accessories

### Marking

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

## Plug/Adapter

Test plugs - MPS-MT - 0201744



Test plugs

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

## Tools

Screwdriver - SZS 0,6X3,5 - 1205053

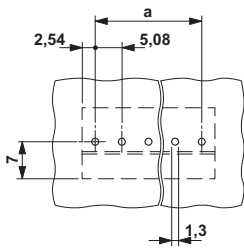


Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

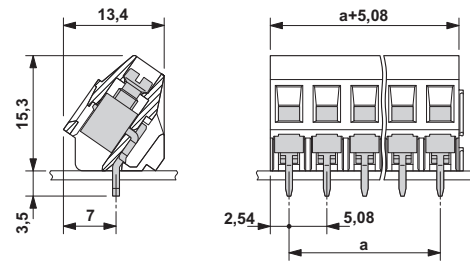
## Drawings

# PCB terminal block - SMKDSP 1,5/ 5-5,08 - 1733606

Drilling diagram



Dimensioned drawing



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