

## PCB terminal block - SMKDS 2,5/10-5,08 - 1736780

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PCB terminal block, Nominal current: 20 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 10, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 40 °, Color: green


The illustration shows the 3-pos. version

### Why buy this product

- PCB terminal block with 40° angled connection direction
- 5.08 mm pitch
- Screwdriver axis vertical to the PCB



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 046356 181983 |
| Weight per Piece (excluding packing) | 23.74 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|                |            |
|----------------|------------|
| Length         | 14.25 mm   |
| Pitch          | 5.08 mm    |
| Dimension a    | 45.72 mm   |
| Pin dimensions | 1 x 0,9 mm |
| Hole diameter  | 1.4 mm     |

#### General

|                             |           |
|-----------------------------|-----------|
| Range of articles           | SMKDS 2,5 |
| Rated surge voltage (III/3) | 4 kV      |
| Rated surge voltage (III/2) | 4 kV      |

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## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| 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>   | 20 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |
| Solder pin surface               | Sn                  |
| Internal cylindrical gage        | A3                  |
| Stripping length                 | 11 mm               |
| Number of positions              | 10                  |
| Screw thread                     | M3                  |
| Tightening torque, min           | 0.5 Nm              |
| Tightening torque max            | 0.6 Nm              |

### Connection data

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

## 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 |

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## Classifications

### 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

### Approvals

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#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / IECCEB Scheme / SEV / 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  | 28-12 | 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>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 250 V | 300 V |

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## Approvals

|                            |       |
|----------------------------|-------|
| SEV                        |       |
| mm <sup>2</sup> /AWG/kcmil | 2.5   |
| Nominal current IN         | 24 A  |
| Nominal voltage UN         | 250 V |

|                            |       |       |
|----------------------------|-------|-------|
| cUL Recognized             |       |       |
|                            | B     | D     |
| mm <sup>2</sup> /AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN         | 10 A  | 10 A  |
| Nominal voltage UN         | 250 V | 300 V |

|     |
|-----|
| CCA |
|-----|

|                 |
|-----------------|
| IECEE CB Scheme |
|-----------------|

|                            |       |
|----------------------------|-------|
| SEV                        |       |
| mm <sup>2</sup> /AWG/kcmil | 2.5   |
| Nominal current IN         | 24 A  |
| Nominal voltage UN         | 250 V |

|     |
|-----|
| EAC |
|-----|

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