



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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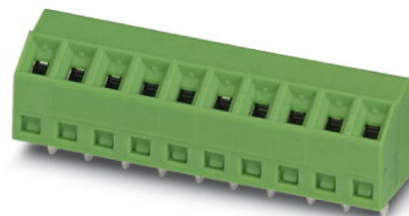
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## SMKDS 1/ 2-3,81


Order No.: 1728284

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1728284>

PC terminal block, Nominal current: 10 A, Nom. voltage: 160 V,  
Pitch: 3.81 mm, Number of positions: 2, Type of connection: Screw  
connection, Mounting: Soldering, Conductor/PCB connection direction:  
55 °, Color: green

### Commercial data

|                          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 017918 025731 |
| sales group              | E001   |
| Pack                     | 50 pcs.  |
| Customs tariff           | 85369010   |
| Catalog page information | Page 53 (CC-2009)  |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|             |         |
|-------------|---------|
| Length      | 10 mm   |
| Pitch       | 3.81 mm |
| Dimension a | 3.81 mm |

|                        |              |
|------------------------|--------------|
| Number of positions    | 2            |
| Pin dimensions         | 0,5 x 0,9 mm |
| Hole diameter          | 1.1 mm       |
| Screw thread           | M2           |
| Tightening torque, min | 0.22 Nm      |
| Tightening torque max  | 0.25 Nm      |

**Technical data**

|                                     |                   |
|-------------------------------------|-------------------|
| Range of articles                   | SMKDS 1           |
| Insulating material group           | I                 |
| Rated surge voltage (III/3)         | 2.5 kV            |
| Rated surge voltage (III/2)         | 2.5 kV            |
| Rated surge voltage (II/2)          | 2.5 kV            |
| Rated voltage (III/3)               | 160 V             |
| Rated voltage (III/2)               | 200 V             |
| Rated voltage (II/2)                | 400 V             |
| Connection in acc. with standard    | EN-VDE            |
| Nominal current $I_N$               | 10 A              |
| Nominal cross section               | 1 mm <sup>2</sup> |
| Maximum load current                | 12 A              |
| Insulating material                 | PA                |
| Inflammability class acc. to UL 94  | V0                |
| Stripping length                    | 5 mm              |
| Nominal voltage, UL/CUL Use Group B | 300 V             |
| Nominal current, UL/CUL Use Group B | 10 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.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 1 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. | 0.5 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. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                  | 26                   |
| Conductor cross section AWG/kcmil max                                   | 16                   |
| 2 conductors with same cross section, solid min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                        | 0.5 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.                     | 0.2 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL   | 30                   |
| Maximum AWG according to UL/CUL   | 16                   |

**Certificates / Approvals**



Certification

CB, CCA, CSA, CUL, GOST, SEV, UL

**Accessories**

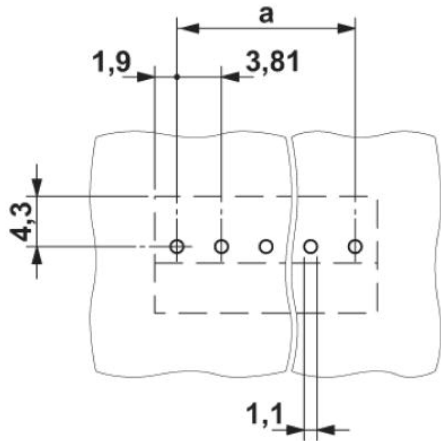
| Item           | Designation              | Description   |
|----------------|--------------------------|---|
| <b>Marking</b> |                          |   |
| 1051993        | B-STIFT                  | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm   |
| 0804109        | SK 3,81/2,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 140 terminal blocks  |
| 0805056        | SK 3,81/2,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 14 identical marker strips per card, max. 25-position labeling per strip, color: White   |
| 0803883        | SK U/2,8 WH:UNBEDRUCKT   | Kennzeichnungskarten unbedruckt, DIN A4-Format, freie Rastereinteilung, selbstklebend, mit 50 vorgestanzten Kennzeichnungsstreifen, 185 mm Streifenlänge, beschriftbar mit dem CMS-System oder manuell mit dem B-STIFT oder X-PEN |

**Tools**

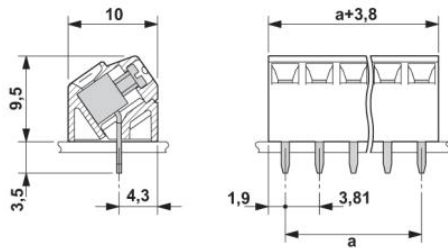
|         |                 |   |
|---------|-----------------|---|
| 1205037 | SZS 0,4X2,5 VDE | Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip |
|---------|-----------------|---|

**Diagrams/Drawings**

Drilling plan/solder pad geometry



Dimensioned drawing



**Address**

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