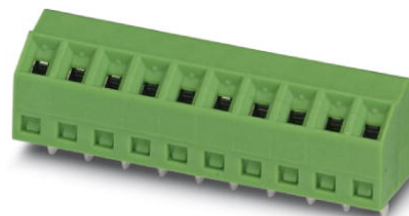


## SMKDS 1/ 8-3,5

Order No.: 1751154

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.net/phoenix/treeViewClick.do?UID=1751154>

PC terminal block, Nominal current: 10 A, Nom. voltage: 160 V,  
Pitch: 3.5 mm, Number of positions: 8, Type of connection: Screw  
connection, Assembly: Soldering, Conductor/PCB connection  
direction: 55 °, Color: green

### Commercial data

EAN	4017918103750
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.00483 KG
Catalog page information	Page 53 (CC-2009)

### Product notes

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



[http://  
www.download.phoenixcontact.com](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	3.5 mm
Dimension a	24.5 mm

Number of positions	8
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**

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/2)	200 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	10 A
Nominal voltage $U_N$	160 V
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

**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>

**Certificates / Approvals**



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

**CSA**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	28-16

**CUL**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	30-16

**UL**

Nominal voltage U <sub>N</sub>	300 V
Nominal current I <sub>N</sub>	10 A
AWG/kcmil	30-16

**Accessories**

Item	Designation	Description
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**Marking**

0804073	SK 3,5/2,8:FORTL.ZAHLEN	Marker card, printed horizontally, self-adhesive, 10-section marker strip, 14 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient for 140 terminal blocks
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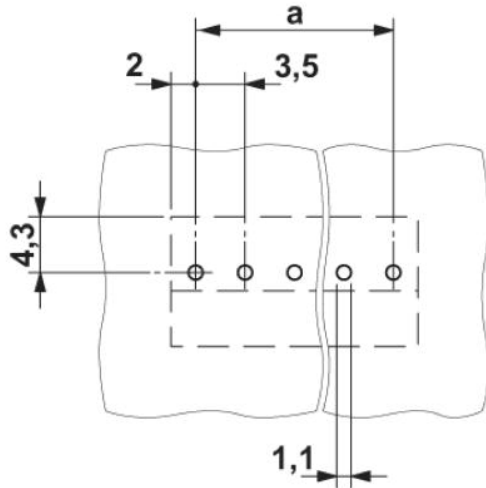
**Tools**

1205037	SZS 0,4X2,5	Screwdriver, bladed, matches all screw terminal blocks up to 1.5 mm <sup>2</sup> connection cross section, blade: 0.4 x 2.5 mm
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## Diagrams/Drawings

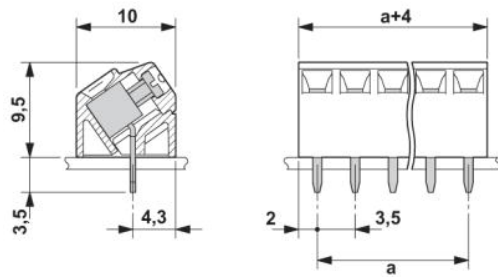
Drilling plan/solder pad geometry

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Dimensioned drawing

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**Address**

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