

## PCB terminal block - SMKDS 1/ 9-3,81 - 1728352

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 9, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 55 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- Conductor and screwdriver axis at an angle of 55° to the usual direction
- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height



### Key commercial data

Packing unit	100 pc
GTIN	 4 017918 025809
Weight per Piece (excluding packing)	5.4 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	10 mm
Pitch	3.81 mm
Dimension a	30.48 mm
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

#### General

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

# PCB terminal block - SMKDS 1/ 9-3,81 - 1728352

## Technical data

### General

Rated voltage (III/2)	200 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	10 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	5 mm
Number of positions	9
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

### 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>

## 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

# PCB terminal block - SMKDS 1/ 9-3,81 - 1728352

## Classifications

eCl@ss

eCl@ss 8.0	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

## Approvals

Approvals

Approvals

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

Ex Approvals

Approvals submitted

## Approval details

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-16	28-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V


UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16

## PCB terminal block - SMKDS 1/ 9-3,81 - 1728352


### Approvals

	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V


cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

CCA
-----

IECEE CB Scheme 
---

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

EAC
-----

cULus Recognized 
--

### Accessories

Accessories

Labeled terminal marker

## PCB terminal block - SMKDS 1/ 9-3,81 - 1728352

### Accessories

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 3.81 mm, Lettering field: 3.81 x 2.8 mm

---

### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

---

### Screwdriver tools

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

---

### Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



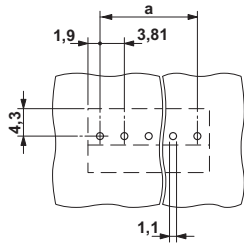
Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

---

### Drawings

# PCB terminal block - SMKDS 1/ 9-3,81 - 1728352

Drilling diagram



Dimensioned drawing

