

## PCB terminal block - MKDS 1/11-3,81 SMD BK - 1727311

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: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 11, Connection method: Screw connection, Mounting: SMD/THT/THR, Conductor/PCB connection direction: 0 °, Color: black




The figure shows a 10-position version of the product

### Why buy this product

- Standard PCB terminal block types made from high-temperature-resistant plastics
- Type of packaging: tube magazine
- Box packaging or tape-on-reel packing according to IEC 60286-3 for automated mounting available on request
- Use in SMT reflow processes



### Key commercial data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 017918 025687
Weight per Piece (excluding packing)	10.17 g
Custom tariff number	85369010
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length	7.3 mm
Pitch	3.81 mm
Dimension a	38.1 mm

#### General

Range of articles	MKDS 1/..-SMD
Insulating material group	IIIa
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV

# PCB terminal block - MKDS 1/11-3,81 SMD BK - 1727311

## Technical data

### General

Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/3)	160 V
Rated voltage (III/2)	160 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	8 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	8 A (with 1.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA-F
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	5 mm
Number of positions	11
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

# PCB terminal block - MKDS 1/11-3,81 SMD BK - 1727311

## Classifications

### eCl@ss

eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
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 / cUL Recognized / 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

# PCB terminal block - MKDS 1/11-3,81 SMD BK - 1727311

## Approvals

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

EAC
-----

cULus Recognized
------------------

## Accessories

### Accessories

#### Labeled terminal marker

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

### Screwdriver tools

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

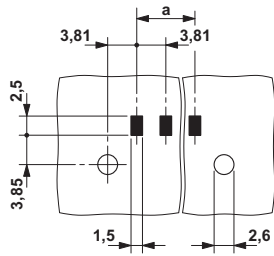


Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

# PCB terminal block - MKDS 1/11-3,81 SMD BK - 1727311

## Drawings

Drilling diagram



Dimensioned drawing

