

# PCB terminal block - MKDS 1/ 6-3,81 - 1727052

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PC terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

## Product description


PC terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

## Why buy this product

- Single-row type with horizontal connection direction



## Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 77 (CC-2011)
GTIN	 4 017918 025526
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	3.01 GRM
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Length	7.3 mm
Height	8.5 mm
Pitch	3.81 mm
Dimension a	19.05 mm
Number of positions	6
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

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## Technical data

### Technical data

Range of articles	MKDS 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 <sub>N</sub>	10 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Inflammability class according 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

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## Classifications

### eClass

eClass 4.0	27141109
eClass 4.1	27141109
eClass 5.0	27141190
eClass 5.1	27141190
eClass 6.0	27261101

### etim

ETIM 3.0	EC001121
ETIM 4.0	EC002643

### unspsc

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

## Approvals

### Certificates

#### Certification

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IECEE CB Scheme / GOST / cULus Recognized

#### Certification EX

#### Certification 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	
Nominal current I <sub>N</sub>	13.5 A	13.5 A	

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## Approvals

		B	D
Nominal voltage UN	300 V	150 V	

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal voltage UN	125 V

cUL Recognized			
		B	D
mm <sup>2</sup> /AWG/kcmil	30-16	30-16	
Nominal current IN	13.5 A	13.5 A	
Nominal voltage UN	300 V	150 V	

GOST

CCA

IECEE CB Scheme

GOST

cULus Recognized

## Accessories

### Accessories

### Marking

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

Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type:



Marker cards - SK 3,81/2,8:SO - 0805056

Marker cards, white, Mounting type: Adhesive, For terminal block width: 3.81 mm



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## Accessories

Marker pen - B-STIFT - 1051993

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



## Tools

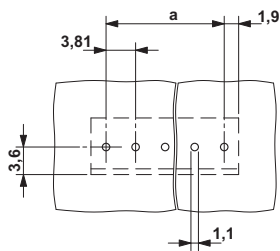
Screwdriver - SZS 0,4X2,5 VDE - 1205037

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



## Drawings

Drilling diagram



Dimensioned drawing

