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# PCB terminal block - MKDS 1/ 3-3,81 SMD BK - 1727243

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PCB terminal block, Nominal current: 8 A, Nom. voltage: 160 V, Pitch: 3.81 mm, Number of positions: 3, 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

- Type of packaging: tube magazine
- Standard PCB terminal block types made from high-temperature-resistant plastics
- 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	1
Minimum order quantity	28
Catalog page	Page 74 (CC-2011)
GTIN	 4 017918 025618
Custom tariff number	85369010
Country of origin	POLAND

## Technical data

### Dimensions / positions

Length	7.3 mm
Pitch	3.81 mm
Dimension a	7.62 mm
Number of positions	3
Screw thread	M2
Tightening torque, min	0.22 Nm
Tightening torque max	0.25 Nm

### Technical data

Range of articles	MKDS 1/..-SMD
Insulating material group	IIIa

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## Technical data

### Technical data

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)	160 V
Rated voltage (II/2)	250 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	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
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

## Classifications

### eClass

eCl@ss 4.0	27141109
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## Classifications

### eclass

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

### 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 / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

		
	<b>B</b>	<b>D</b>
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



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## Approvals

UL 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	

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

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: Adhesive, For terminal block width: 3.81 mm

### Tools

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

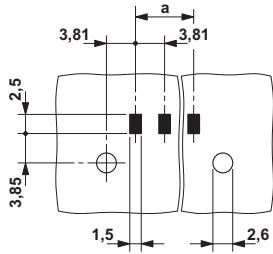


Screwdriver, bladed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

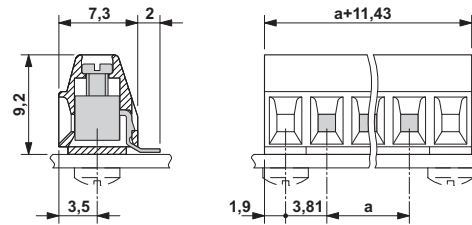
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## Drawings

Drilling diagram



Dimensioned drawing



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