

## PCB terminal block - MKDS 1/ 3-3,81 HT BK - 1985836

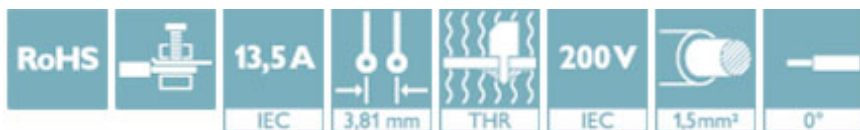
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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: THR soldering, Conductor/PCB connection direction: 0 °, Color: black, This article can be soldered in the reflow furnace together with SMD components.

### Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Extremely small design for the respective conductor cross section
- ✓ Designed for integration into the SMT soldering process



### Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 929237
GTIN	4017918929237
Weight per Piece (excluding packing)	2.830 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	7.3 mm
Pitch	3.81 mm
Dimension a	7.62 mm
Width	11.42 mm
Constructional height	8.5 mm
Height	12 mm
Solder pin [P]	3.5 mm

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## Technical data

### Dimensions

Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

### General

Range of articles	MKDS 1/..-HT
Insulating material group	IIIa
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)	63 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	200 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	13.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	3
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 flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG 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.	0.34 mm <sup>2</sup>

### Standards and Regulations

Connection in acc. with standard	EN-VDE
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## Technical data

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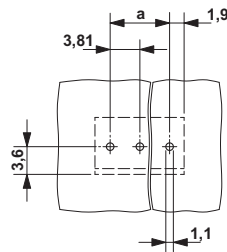
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Drilling diagram



## Approvals

### Approvals

#### Approvals

CSA / SEV / CCA / IECCEB CB Scheme / EAC / cULus Recognized

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
	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	

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## Approvals

SEV		<a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a>	IK-3542-M1
mm <sup>2</sup> /AWG/kcmil		1.5	
Nominal current IN		12 A	
Nominal voltage UN		125 V	

CCA			IK-2722
mm <sup>2</sup> /AWG/kcmil		1.5	
Nominal current IN		12 A	
Nominal voltage UN		125 V	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-8225
mm <sup>2</sup> /AWG/kcmil		1.5	
Nominal current IN		12 A	
Nominal voltage UN		125 V	

EAC			B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19770427
	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	