

## PCB terminal block - MKDS 1/ 9-3,5 - 1751316

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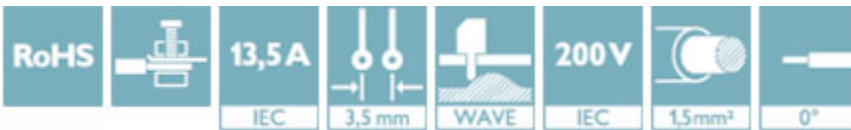
PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 9, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green




The figure shows a 10-position version of the product

### 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



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 103873
GTIN	4017918103873
Weight per Piece (excluding packing)	4.730 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	7.3 mm
Pitch	3.5 mm
Dimension a	28.00 mm
Width	32.00 mm
Constructional height	8.5 mm

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## Technical data

### Dimensions

Height	12 mm
Solder pin [P]	3.5 mm
Pin dimensions	0,5 x 0,9 mm
Hole diameter	1.1 mm

### General

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 $I_N$	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	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 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>

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## Technical data

### Connection data

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

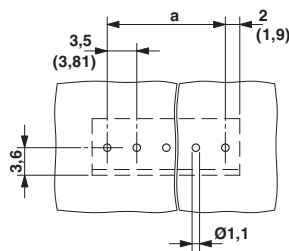
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

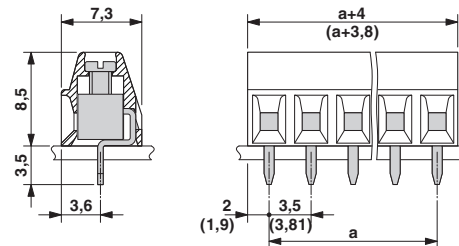
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Drilling diagram



Dimensional drawing



## Approvals

### Approvals

#### Approvals

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


#### Ex Approvals

### Approval details


# PCB terminal block - MKDS 1/ 9-3,5 - 1751316


## Approvals

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	

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 I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	125 V		


CCA	IK-2722		
mm <sup>2</sup> /AWG/kcmil	1.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	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 I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	125 V		

EAC		B.01742	
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### Approvals

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 I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	