



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PCB terminal block - MKDS 1/ 5-3,81 SMD BK - 1727269

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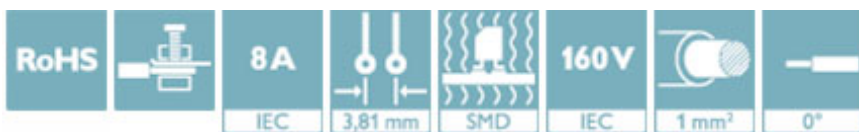
PCB terminal block, nominal current: 8 A, nom. voltage: 160 V, pitch: 3.81 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: SMD soldering, conductor/PCB connection direction: 0 °, color: black



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
- Designed for integration into the SMT soldering process



Key Commercial Data

Packing unit	20 STK
Minimum order quantity	20 STK
GTIN	
GTIN	4017918025632

Technical data

Dimensions

Length [l]	7.3 mm
Pitch	3.81 mm
Dimension a	15.24 mm
Width [w]	19.04 mm
Constructional height	9.2 mm
Height [h]	9.2 mm

General

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

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Technical data

General

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_N	8 A
Nominal cross section	1 mm ²
Maximum load current	8 A (with 1.5 mm ² conductor cross section)
Insulating material	PA-F
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	5
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 ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	0.5 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.2 mm ²

Standards and Regulations

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

Environmental Product Compliance

REACH SVHC	DOTe 15571-58-1
	Lead 7439-92-1

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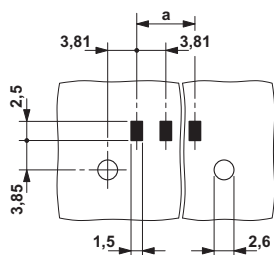
Technical data

Environmental Product Compliance

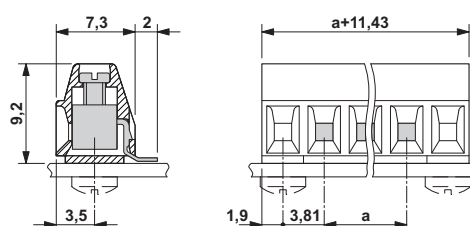
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals


Approval details


CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	D	B	
Nominal voltage UN	300 V	150 V	
Nominal current IN	10 A	10 A	
mm ² /AWG/kcmil	28-16	28-16	


EAC		B.01742
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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm ² /AWG/kcmil	30-16	30-16	

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

IECEE CB Scheme		http://www.iecee.org/	CH-8225
Nominal voltage UN	125 V		
Nominal current IN	12 A		
mm ² /AWG/kcmil	1.5		

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