



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 10 HV/ 1-B-10,16 - 1993776

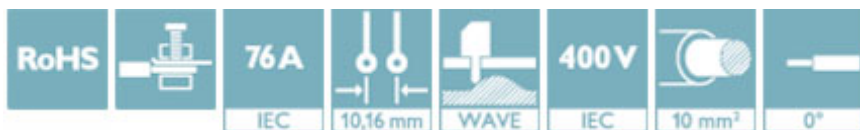
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PCB terminal block, nominal current: 76 A, nom. voltage: 400 V, pitch: 10.16 mm, number of positions: 1, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0°, color: green

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



Key Commercial Data

Packing unit	50 STK
GTIN	 4 046356 037617
GTIN	4046356037617

Technical data

Dimensions

Length [l]	18.7 mm
Pitch	10.16 mm
Width [w]	10.16 mm
Constructional height	30.8 mm
Height [h]	35.8 mm
Solder pin [P]	5 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm

General

Range of articles	MKDS 10 HV
Insulating material group	I

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Technical data

General

Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	400 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	800 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	10 mm
Number of positions	1
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²

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Technical data

Standards and Regulations

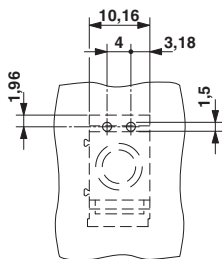
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

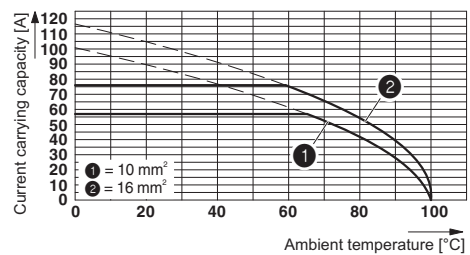
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

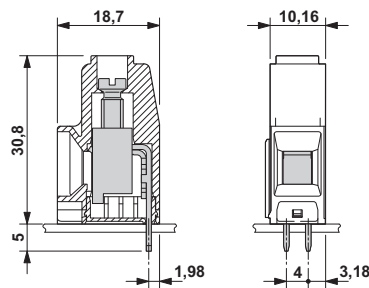
Drilling diagram



Diagram



Dimensional drawing



Approvals

Approvals

Approvals


SEV / EAC / cULus Recognized / IECCEB Scheme

Ex Approvals


Approval details


PCB terminal block - MKDS 10 HV/ 1-B-10,16 - 1993776

Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
Nominal voltage UN		400 V	
Nominal current IN		76 A	
mm ² /AWG/kcmil		10	

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	D	B	C
Nominal voltage UN	300 V	300 V	150 V
Nominal current IN	10 A	60 A	60 A
mm ² /AWG/kcmil	20-6	20-6	20-6

IECEE CB Scheme		http://www.iecee.org/	CH-8225
Nominal voltage UN		400 V	
Nominal current IN		76 A	
mm ² /AWG/kcmil		10	

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