

PCB terminal block - MKDS 1,5/ 2 HT BK - 1985881

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 320 V, Pitch: 5 mm, Number of positions: 2, 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
- ✓ Designed for integration into the SMT soldering process
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 929282
GTIN	4017918929282
Weight per Piece (excluding packing)	3.520 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	9.8 mm
Pitch	5 mm
Dimension a	5.00 mm
Width	10.00 mm
Constructional height	13.8 mm
Height	17.3 mm
Solder pin [P]	3.5 mm

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Technical data

Dimensions

Pin dimensions	0,9 x 0,9 mm
Pin spacing	5.00 mm
Hole diameter	1.3 mm

General

Range of articles	MKDS 1,5/..-HT
Insulating material group	IIIa
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)	200 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	17.5 A
Nominal cross section	1.5 mm ²
Maximum load current	24 A (with a 2.5 mm ² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 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.	1.5 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.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1 mm ²
2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²

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Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 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.	1 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
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"

Approvals


Approvals

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

Ex Approvals


Approval details

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm ² /AWG/kcmil	2.5		
Nominal current I _N	24 A		
Nominal voltage U _N	250 V		


CCA	IK-2722
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Approvals

IECEE CB Scheme		http://www.iecee.org/	CH-8225
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EAC			B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19770427
	B	D	
mm ² /AWG/kcmil	30-14	30-14	
Nominal current IN	15 A	10 A	
Nominal voltage UN	300 V	300 V	

CCA		IK-2722
mm ² /AWG/kcmil	2.5	
Nominal current IN	24 A	
Nominal voltage UN	250 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm ² /AWG/kcmil	2.5		
Nominal current IN	24 A		
Nominal voltage UN	250 V		