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PCB terminal block - MKDS 1/ 2-3,81 HT BK - 1985823

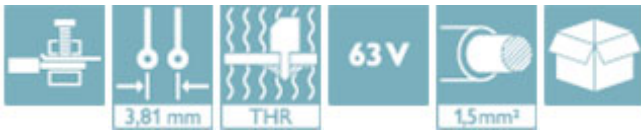
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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: THR soldering, Conductor/PCB connection direction: 0 °, Color: black, This 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
- Extremely small design for the respective conductor cross section
- Designed for integration into the SMT soldering process



Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 929220

Technical data

Dimensions

Length	7.3 mm
Pitch	3.81 mm
Dimension a	3.81 mm
Constructional height	9 mm
Height	8.5 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,5 x 0,9 mm
Pin spacing	3.5 mm
Hole diameter	1.1 mm

General

Range of articles	MKDS 1/..-HT
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)	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 ²
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	5 mm
Number of positions	2
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.	1.5 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.	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.	0.34 mm ²

Standards and Regulations

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

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Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals


Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / IECCEB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approvals submitted


Approval details

	B	D
	mm ² /AWG/kcmil	28-16

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Approvals


	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	150 V	300 V

UL Recognized 

	B	D
mm ² /AWG/kcmil	30-16	30-16
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V


SEV

mm ² /AWG/kcmil	1.5
Nominal current IN	12 A
Nominal voltage UN	125 V

cUL Recognized 

	B	D
mm ² /AWG/kcmil	30-16	30-16
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V


CCA

IECEE CB Scheme 

SEV

mm ² /AWG/kcmil	1.5
Nominal voltage UN	125 V

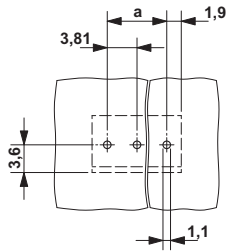
EAC

cULus Recognized 

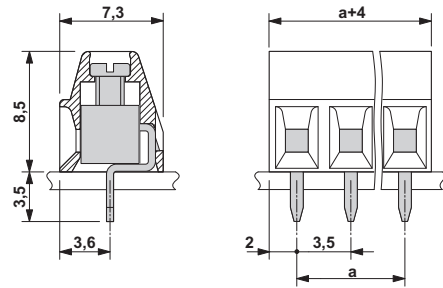
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Drawings

Drilling diagram



Dimensional drawing



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Product	Code	Reference	Product link
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