

<https://www.phoenixcontact.com/cn/products/1705540>

PCB terminal block - MKDSD 1,5/ 2-3,81 - 1705540

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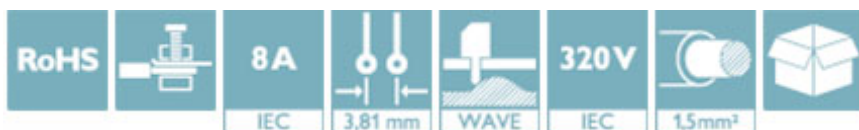


The figure shows a 10-position version of the product

PCB terminal block, Nominal current: 8 A, Nom. voltage: 320 V, Pitch: 3.81 mm, Number of positions: 2, 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
- ✓ Two solder pins reduce the mechanical strain on the soldering spots
- ✓ 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 128968
GTIN	4017918128968
Custom tariff number	8536909000
Sales Key	AAABEA

Technical data

Dimensions

Length	9.3 mm
Pitch	3.81 mm
Dimension a	3.81 mm
Constructional height	13 mm
Length of the solder pin	2.7 mm
Pin dimensions	0,5 x 0,8 mm
Hole diameter	1.1 mm

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Technical data

General

Range of articles	MKDSD 1,5
Insulating material group	I
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)	500 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	8 A
Nominal cross section	1.5 mm ²
Maximum load current	12 A
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	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.	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.	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.	0.5 mm ²
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.	0.34 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm²

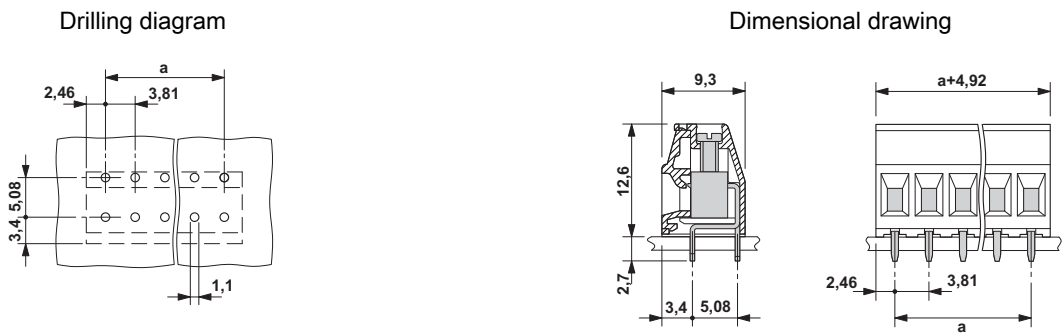
Standards and Regulations

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"

Drawings



Approvals

Approvals

Approvals
SEV / IEC EE CB Scheme / CCA / EAC / cULus Recognized / CCA / IEC EE CB Scheme
Ex Approvals

Approval details

<https://www.phoenixcontact.com/cn/products/1705540>

PCB terminal block - MKDSD 1,5/ 2-3,81 - 1705540

Approvals

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3542-M1
mm²/AWG/kcmil		1.5	
Nominal current I _N		12 A	
Nominal voltage U _N		125 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
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CCA	IK-2722
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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
mm²/AWG/kcmil		30-14	30-14
Nominal current I _N		10 A	10 A
Nominal voltage U _N		300 V	300 V

CCA		IK-2722	
mm²/AWG/kcmil		1.5	
Nominal current I _N		12 A	
Nominal voltage U _N		125 V	

IECEE CB Scheme		http://www.iecee.org/	CH-8225
mm²/AWG/kcmil		1.5	
Nominal current I _N		12 A	
Nominal voltage U _N		125 V	