

PCB terminal block - MKDS 1,5/ 5-5,08 - 1715750

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PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5.08 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0°, color: green. The article can be aligned to create different nos. of positions!




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
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	250 STK
GTIN	 4 017918 230012
GTIN	4017918230012

Technical data

Dimensions

Length [l]	9.8 mm
Pitch	5.08 mm
Dimension a	20.32 mm
Width [w]	25.4 mm
Constructional height	13.8 mm
Height [h]	17.3 mm
Solder pin [P]	3.5 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

General

Range of articles	MKDS 1,5
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Technical data

General

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)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 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	22 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	7 mm
Number of positions	5
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
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

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Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
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Standards and Regulations

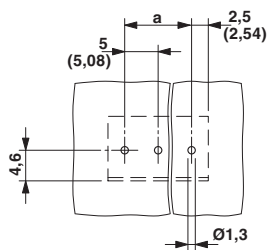
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

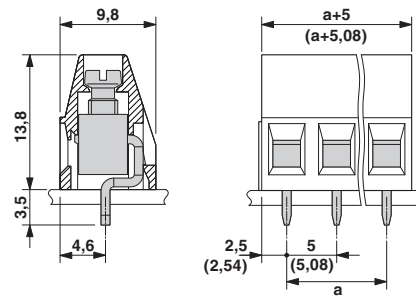
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram



Dimensional drawing



Approvals

Approvals

Approvals

CSA / SEV / CCA / EAC / cULus Recognized / DNV GL / IECCEB Scheme

Ex Approvals


Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	D	
mm ² /AWG/kcmil	28-14	28-14	
Nominal current I _N	10 A	10 A	


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Approvals

	B	D
Nominal voltage UN	300 V	300 V


SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-4199
mm ² /AWG/kcmil	2.5		
Nominal current IN	24 A		
Nominal voltage UN	250 V		

CCA			IK-3249
mm ² /AWG/kcmil	2.5		
Nominal voltage UN	250 V		

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	

DNV GL	http://exchange.dnv.com/tari/	TAE00001EV
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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		

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