

https://www.phoenixcontact.com/cn/products/1707205



## PCB terminal block - MKDSO 2,5/ 2-L - 1707205

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Article with lateral pin exit

### Why buy this product

- PCB terminal block for ME/ME MAX electronics housing
- PCB terminal block orthogonal to the PCB
- 5 mm pitch
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### Key Commercial Data

Packing unit	250 STK
GTIN	 4 017918 136796
GTIN	4017918136796
Custom tariff number	8536909000
Sales Key	ACHADA

### Technical data

#### Dimensions

Length	15.3 mm
Pitch	5 mm
Dimension a	5 mm
Constructional height	18 mm
Length of the solder pin	3.5 mm
Pin dimensions	0,8 x 1
Hole diameter	1.4 mm

#### General

Range of articles	MKDSO 2,5/..-L
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)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	24 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	24 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	8 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 <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>

https://www.phoenixcontact.com/cn/products/1707205



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## Technical data

### 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"

## Approvals

### Approvals

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#### Approvals


CSA / VDE Gutachten mit Fertigungsüberwachung / CCA / IECEE CB Scheme / EAC / cULus Recognized


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#### Ex Approvals

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### Approval details

CSA		<a href="http://www.csagroup.org/services/testing-and-certification/certified-product-listing/">http://www.csagroup.org/services/testing-and-certification/certified-product-listing/</a>	13631
	B	D	
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	
Nominal current I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40023968
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	24 A		
Nominal voltage U <sub>N</sub>	450 V		

CCA	CCA/DE1 33724
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	24 A


<https://www.phoenixcontact.com/cn/products/1707205>





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### Approvals

Nominal voltage UN	450 V
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-39126
mm <sup>2</sup> /AWG/kcmil	2.5		
Nominal current IN	24 A		
Nominal voltage UN	450 V		

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19770427
	B	D	
mm <sup>2</sup> /AWG/kcmil	30-12	30-12	
Nominal current IN	20 A	10 A	
Nominal voltage UN	300 V	300 V	

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