

https://www.phoenixcontact.com/cn/products/1708006



## PCB terminal block - MKDSN 2,5/18 - 1708006

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PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 18, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green


The illustration shows the 4-pos. version

### 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
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- 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 046356 071475
GTIN	4046356071475
Custom tariff number	8536909000
Sales Key	AAACAA

### Technical data

#### Dimensions

Length	9.5 mm
Pitch	5 mm
Dimension a	85 mm
Width	90 mm
Constructional height	15 mm
Height	18.5 mm

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### Technical data

#### Dimensions

Length of the solder pin	3.5 mm
Pin dimensions	0,8 x 0,9 mm
Pin spacing	5 mm
Hole diameter	1.3 mm

#### General

Range of articles	MKDSN 2,5
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 $I_N$	16 A
Nominal cross section	2.5 mm <sup>2</sup>
Solder pin surface	Sn
Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	18
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

#### Connection data

Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.2 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.	0.2 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>

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

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## Technical data

### 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

Approvals


VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

### Approval details

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>	40018557
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	24 A		
Nominal voltage U <sub>N</sub>	250 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 I <sub>N</sub>	20 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

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