

https://www.phoenixcontact.com/cn/products/1774234



## PCB terminal block - MKDSP 10N/ 4-10,16 - 1774234

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 4, 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 2-pos. 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
- Quick and convenient testing using integrated test option
- The latching on the side enables various numbers of positions to be combined
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 481687
GTIN	4046356481687
Custom tariff number	8536909000
Sales Key	AABDAA

### Technical data

#### Dimensions

Length	18.4 mm
Pitch	10.16 mm
Dimension a	30.48 mm
Width	40.64 mm
Constructional height	29.3 mm
Height	34.3 mm

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### Technical data

#### Dimensions

Length of the solder pin	5 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm

#### General

Range of articles	MKDSP 10N
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A
Nominal cross section	10 mm <sup>2</sup>
Maximum load current	76 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	10 mm
Number of positions	4
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

#### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 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.	6 mm <sup>2</sup>

### 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"

## Approvals


### Approvals

#### Approvals

VDE Gutachten mit Fertigungsüberwachung / CCA / IECCEB Scheme / 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>	40035740
mm <sup>2</sup> /AWG/kcmil	0.5-16		
Nominal current I <sub>N</sub>	76 A		
Nominal voltage U <sub>N</sub>	1000 V		

CCA	CCA/ DE1 34205
mm <sup>2</sup> /AWG/kcmil	0.5-16
Nominal current I <sub>N</sub>	76 A


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### Approvals

Nominal voltage UN	1000 V
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-50962
mm <sup>2</sup> /AWG/kcmil	0.5-16		
Nominal current IN	76 A		
Nominal voltage UN	1000 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	C	D
mm <sup>2</sup> /AWG/kcmil	20-6	20-6	20-6
Nominal current IN	60 A	60 A	5 A
Nominal voltage UN	300 V	300 V	600 V

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