

## PCB terminal block - MKDSP 25/ 2-15,00 - 1932588

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PCB terminal block, Nominal current: 125 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Avoid placing permanent mechanical loads on the terminal


The figure shows a 5-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
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

Packing unit	25 STK
Minimum order quantity	25 STK
GTIN	 4 017918 902087
GTIN	4017918902087
Weight per Piece (excluding packing)	43.640 g
Custom tariff number	85369010
Country of origin	Slovakia

### Technical data

#### Dimensions

Length	31 mm
Pitch	15 mm
Dimension a	15.00 mm
Width	30.00 mm
Constructional height	39 mm
Height	43.5 mm

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## Technical data

### Dimensions

Solder pin [P]	4.5 mm
Pin dimensions	1,2 x 1,2 mm
Hole diameter	1.6 mm

### General

Range of articles	MKDSP 25
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	125 A
Nominal cross section	35 mm <sup>2</sup>
Maximum load current	125 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B7
Stripping length	18 mm
Number of positions	2
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	4.5 Nm
Note	Tightening torque $\leq 25 \text{ mm}^2$ is 2.5 Nm, $> 25 \text{ mm}^2$ is 4.5 Nm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	1 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	2
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
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.	4 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.	16 mm <sup>2</sup>

### Standards and Regulations

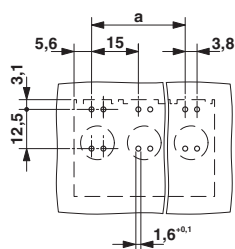
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

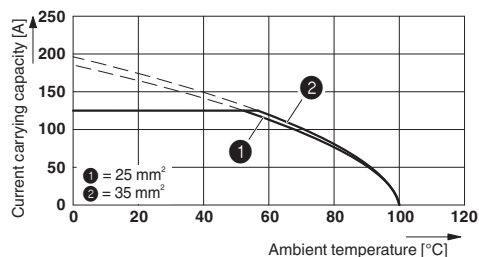
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Drilling diagram

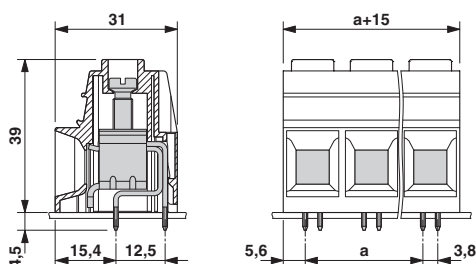


Diagram



Type: MKDSP 25/...-15,00  
 Tested in accordance with DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 No. of positions: 5

Dimensional drawing



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## Approvals


### Approvals


#### Approvals


SEV / IECCEB CB Scheme / EAC / cULus Recognized / IECCEB CB Scheme / VDE approval of drawings


#### Ex Approvals


### Approval details

SEV		<a href="https://www.electrosuisse.ch/en/meta/shop/product-certificates.html">https://www.electrosuisse.ch/en/meta/shop/product-certificates.html</a>	IK-3542-M1
mm <sup>2</sup> /AWG/kcmil	35		
Nominal current I <sub>N</sub>	125 A		
Nominal voltage U <sub>N</sub>	1000 V		

IECCEB CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-8225
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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	
mm <sup>2</sup> /AWG/kcmil	20-2	20-2	
Nominal current I <sub>N</sub>	115 A	115 A	
Nominal voltage U <sub>N</sub>	600 V	600 V	

IECCEB CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-8225
mm <sup>2</sup> /AWG/kcmil	35		
Nominal current I <sub>N</sub>	125 A		
Nominal voltage U <sub>N</sub>	1000 V		

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### Approvals

VDE approval of drawings		<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>	40041859
mm <sup>2</sup> /AWG/kcmil		0.5-35	
Nominal current I <sub>N</sub>		125 A	
Nominal voltage U <sub>N</sub>		1000 V	