

## PCB connection terminal block - MKDSP 50/ 2-17,5-F - 1856171

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PCB terminal block, Nominal current: 192 A, Nom. voltage: 1000 V, Pitch: 17.5 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green

The figure shows a 3-position 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
- Quick and convenient testing using integrated test option
- Mounting flanges reduce the mechanical strain on the soldering spots
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	98.000 g
Custom tariff number	85369010
Country of origin	China

### Technical data

#### Environmental Product Compliance

China RoHS	No hazardous substances above threshold values
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#### Dimensions

Length	32 mm
Pitch	17.50 mm
Dimension a	17.5 mm

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## Technical data

### Dimensions

Width	62.7 mm
Constructional height	55 mm
Height	59 mm
Length of the solder pin	4 mm
Pin dimensions	1,4 x 1,4 mm
Hole diameter	2.4 mm

### General

Range of articles	MKDSP 50/...-F
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)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	192 A
Nominal cross section	70 mm <sup>2</sup>
Maximum load current	192 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	20 mm
Number of positions	2
Screw thread	M6
Tightening torque, min	5.5 Nm

### Connection data

Conductor cross section solid min.	1.5 mm <sup>2</sup>
Conductor cross section solid max.	70 mm <sup>2</sup>
Conductor cross section flexible min.	1.5 mm <sup>2</sup>
Conductor cross section flexible max.	70 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 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.	50 mm <sup>2</sup>
Conductor cross section AWG min.	16

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## Technical data

### Connection data

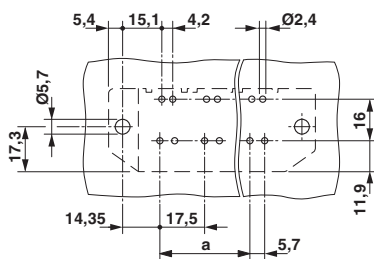
Conductor cross section AWG max.	2/0
2 conductors with same cross section, solid min.	1.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 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

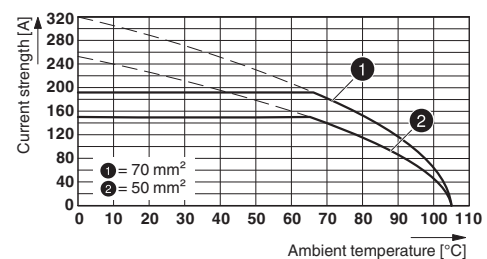
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

## Drawings

Drilling diagram

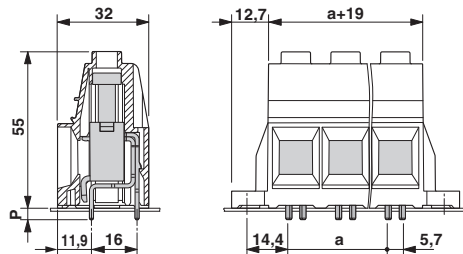


Diagram



Type: MKDSP 50/...-17,5-F

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 5.1	27141134
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# PCB connection terminal block - MKDSP 50/ 2-17,5-F - 1856171

## Classifications

### eCl@ss

eCl@ss 6.0	27141134
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

### ETIM

ETIM 5.0	EC002643
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## Approvals

### Approvals


#### Approvals


cULus Recognized / VDE Zeichengenehmigung / IECCEB Scheme / EAC

#### Ex Approvals

### Approval details

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	16-2/0	16-2/0
Nominal current I <sub>N</sub>	160 A	160 A
Nominal voltage U <sub>N</sub>	600 V	600 V

VDE Zeichengenehmigung  <a href="http://www.vde.de">http://www.vde.de</a> 40041859	
mm <sup>2</sup> /AWG/kcmil	1.5-70
Nominal current I <sub>N</sub>	192 A
Nominal voltage U <sub>N</sub>	1000 V

IECCEB Scheme  <a href="http://www.iecceb.org/">http://www.iecceb.org/</a> DE1-55973	
mm <sup>2</sup> /AWG/kcmil	1.5-70

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### Approvals

Nominal current I <sub>N</sub>	192 A
Nominal voltage U <sub>N</sub>	1000 V

EAC B.01742
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