PCB terminal block - MKDSP 50/ 5-17,5 - 1856155

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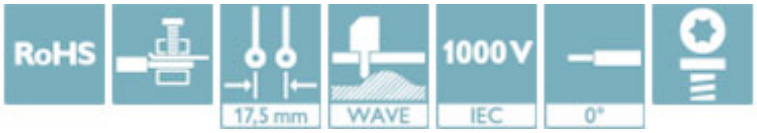
PCB terminal block, nominal current: 192 A, nom. voltage: 1000 V, pitch: 17.5 mm, number of positions: 5, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

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	10 STK
GTIN	4 055626 029047
GTIN	4055626029047

Technical data

Dimensions

Length [l]	32 mm
Pitch	17.5 mm
Dimension a	70 mm
Width [w]	90 mm
Constructional height	55 mm
Height [h]	59 mm
Solder pin [P]	4 mm
Pin dimensions	1,4 x 1,4 mm
Hole diameter	2.4 mm

General

Range of articles	MKDSP 50

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Technical data

General

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 mm²
Maximum load current	192 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	20 mm
Number of positions	5
Screw thread	M6
Tightening torque, min	5.5 Nm

Connection data

Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	70 mm²
Conductor cross section flexible min.	1.5 mm²
Conductor cross section flexible max.	70 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	2/0
2 conductors with same cross section, solid min.	1.5 mm²
2 conductors with same cross section, solid max.	16 mm²
2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	25 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm²

Information on the aluminum conductor

Cross section-torque-form of cable	Cable cross section:50 mm²; Torque:5.5 Nm; Form of cable:sector-shaped, single-strand, class 1, α = 90°(se)
	Cable cross section:35 mm²; Torque:5.5 Nm; Form of cable:round, single-strand, class 1(re)

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Technical data

Information on the aluminum conductor

	Cable cross section:25 mm²; Torque:5.5 Nm; Form of cable:round, single-strand, class 1(re)
	Cable cross section:16 mm²; Torque:5.5 Nm; Form of cable:round, single-strand, class 1(re)
Specification	DIN VDE 0276-603 (VDE 0276-603):2010-03
Note on conductor pretreatment	The following measures are required for durable and reliable contacting of the aluminum conductor: the stripped end of the aluminum conductor must be separated from the oxide layer using a blade, and immediately dipped in non-acid and non-alkali Vaseline. The pretreatment must be repeated when connecting the conductors anew.

Standards and Regulations

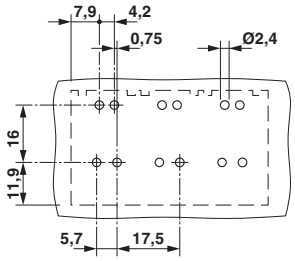
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

Environmental Product Compliance

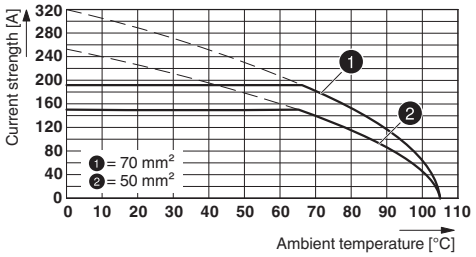
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Drilling diagram

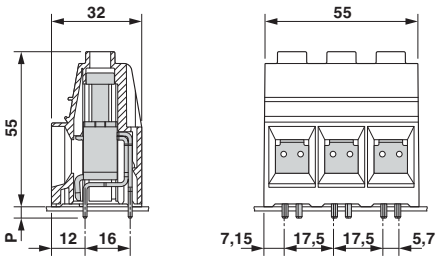


Diagram



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

Dimensional drawing



Approvals

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Approvals

Approvals

cULus Recognized / VDE Zeichengenehmigung / IECEE CB Scheme / EAC

Ex Approvals

Approval details

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19770427

	B	C
mm²/AWG/kcmil	16-2/0	16-2/0
Nominal current IN	160 A	160 A
Nominal voltage UN	600 V	600 V

VDE Zeichengenehmigung http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx 40041859

mm²/AWG/kcmil	1.5-70
Nominal current IN	192 A
Nominal voltage UN	1000 V

IECEE CB Scheme http://www.iecee.org/ DE1-55973

mm²/AWG/kcmil	1.5-70
Nominal current IN	192 A
Nominal voltage UN	1000 V

EAC B.01742

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