

PCB terminal block - MKDSP 50/ 3-17,5-F - 1856184

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PCB terminal block, nominal current: 192 A, nom. voltage: 1000 V, pitch: 17.5 mm, number of positions: 3, 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
- ✓ 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
GTIN	
GTIN	4055626028996
Weight per Piece (excluding packing)	125.000 g
Custom tariff number	85369010
Country of origin	China

Technical data

Dimensions

Length [l]	32 mm
Pitch	17.5 mm
Dimension a	35 mm
Width [w]	80.2 mm

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Technical data

Dimensions

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/..-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 ²
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	3
Screw thread	M6
Tightening torque, min	5.5 Nm

Connection data

Conductor cross section solid min.	1.5 mm ²
Conductor cross section solid max.	70 mm ²
Conductor cross section flexible min.	1.5 mm ²
Conductor cross section flexible max.	70 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	50 mm ²
Conductor cross section AWG min.	16
Conductor cross section AWG max.	2/0

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Technical data

Connection data

2 conductors with same cross section, solid min.	1.5 mm ²
2 conductors with same cross section, solid max.	16 mm ²
2 conductors with same cross section, stranded min.	1.5 mm ²
2 conductors with same cross section, stranded max.	25 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	16 mm ²

Information on the aluminum conductor

Cross section-torque-form of cable	Cable cross section:50 mm ² ; Torque:5.5 Nm; Form of cable:sector-shaped, single-strand, class 1, $\alpha = 90^\circ(\text{se})$
	Cable cross section:35 mm ² ; Torque:5.5 Nm; Form of cable:round, single-strand, class 1(re)
	Cable cross section:25 mm ² ; Torque:5.5 Nm; Form of cable:round, single-strand, class 1(re)
	Cable cross section:16 mm ² ; 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

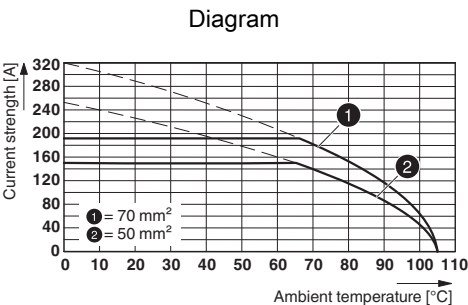
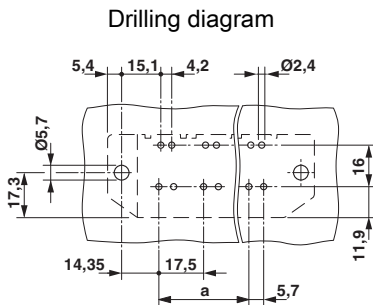
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

Environmental Product Compliance

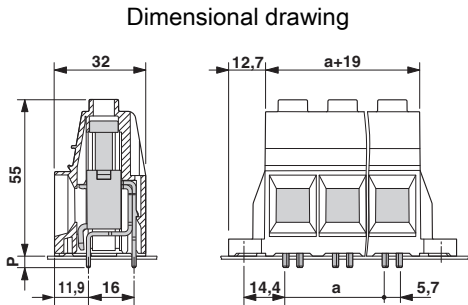
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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



Classifications

eCl@ss

eCl@ss 5.1	27141134
eCl@ss 6.0	27141134
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 5.0	EC002643
ETIM 6.0	EC002643

UNSPSC

UNSPSC 13.2	39121432
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Approvals

Approvals

Approvals

cULus Recognized / VDE Zeichengenehmigung / IECEE CB Scheme / EAC

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Approvals

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 I _N	160 A	160 A	
Nominal voltage U _N	600 V	600 V	

VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40041859
mm²/AWG/kcmil	1.5-70		
Nominal current I _N	192 A		
Nominal voltage U _N	1000 V		

IECEE CB Scheme		http://www.iecee.org/	DE1-55973
mm²/AWG/kcmil	1.5-70		
Nominal current I _N	192 A		
Nominal voltage U _N	1000 V		

EAC		B.01742
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