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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

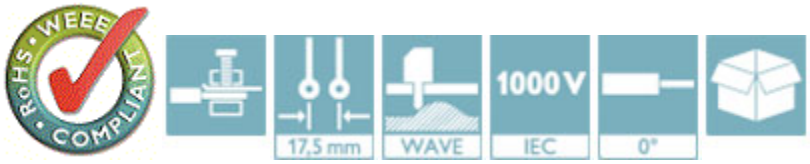


The figure shows a 3-position version

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

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

Dimensions

Length	32 mm
Pitch	17.50 mm
Dimension a	17.5 mm

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

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 mm²
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 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

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

Technical data

Connection data

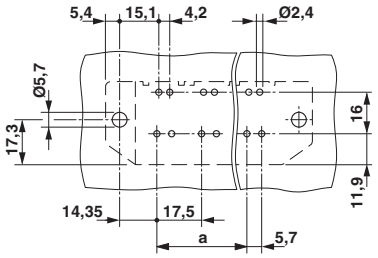
Conductor cross section AWG max.	2/0
2 conductors with same cross section, solid min.	1.5 mm²
2 conductors with same cross section, solid max.	16 mm²
2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	16 mm²
2 conductors with same cross section, 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

Standards and Regulations

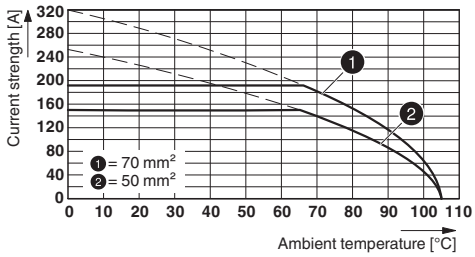
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

Drawings

Drilling diagram

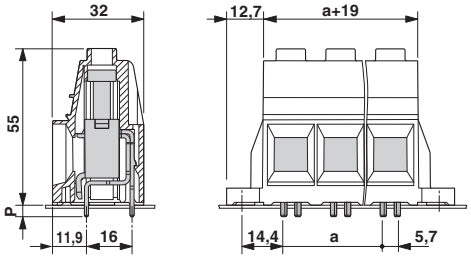


Diagram



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

Dimensional drawing



Classifications

eCl@ss

eCl@ss 5.1	27141134

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

Approvals

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://www.vde.de 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

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

Approvals

Nominal current IN	192 A
Nominal voltage UN	1000 V

EAC B.01742

Phoenix Contact 2016 © - all rights reserved
http://www.phoenixcontact.com

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

PHOENIX CONTACT:

3210202 0801422 0801820 0808671:0311 1604561 1817440 1899414 2800865 3244449 0817028
0828799 2905346 1539570 3248125 1407671 0800379 0818111 0818153 1442188 1674794 1956137
3241240 1778599 2838254 3036424 5435970 1052345:0021 1619453 1712737 2800976