

PCB terminal block - MKDSP 10HV/ 2-10,16 - 1929517

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions! Equipment ratings in acc. with UL, for 600 V applications, are possible. The insulation requirements of the respective devices for PCB assembly must be observed for this purpose (e.g. UL 508, UL 840).

Product Features

- ✓ Integrated test connection
- ✓ High-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- ✓ Terminal block bases that can be mounted side by side to create any number of positions
- ✓ Individual adjustment of voltage requirements using RZ pitch spacers

Key commercial data

package_quantity	50
GTIN	4017918819637

Technical data

Dimensions

Length	22 mm
Pitch	10.16 mm
Dimension a	10.16 mm
Pin dimensions	1 x 0,9 mm
Hole diameter	1.5 mm

General

Range of articles	MKDSP 10HV
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)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA

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Technical data

General

Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	10 mm
Number of positions	2
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	16 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	4 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190

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classifications

eCl@ss

eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

approvals

UL Recognized / SEV / cUL Recognized / GOST / CCA / IEC CB Scheme / GOST / cULus Recognized /

Approval details

UL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	60 A	60 A	5 A
mm²/AWG/kcmil	20-6	20-6	20-6

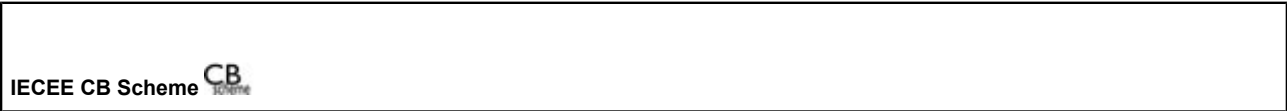
SEV	
Nominal voltage UN	690 V
Nominal current IN	
mm²/AWG/kcmil	16

cUL Recognized 			
Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V

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approvals

Usegroups	B	C	D
Nominal current IN	60 A	60 A	5 A
mm²/AWG/kcmil	20-6	20-6	20-6



accessories

Test plug terminal block

RPS - 0201647



Screwdriver tools

SZS 0,6X3,5 - 1205053



Printed circuit board terminal

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accessories

MKDSP 10HV/ 3-12,7 - 1929546



Terminal marking

SK 5,0 WH:REEL - 0805221



SK U/5,0 WH:UNBEDRUCKT - 0803922



Marker pen

B-STIFT - 1051993



accessories

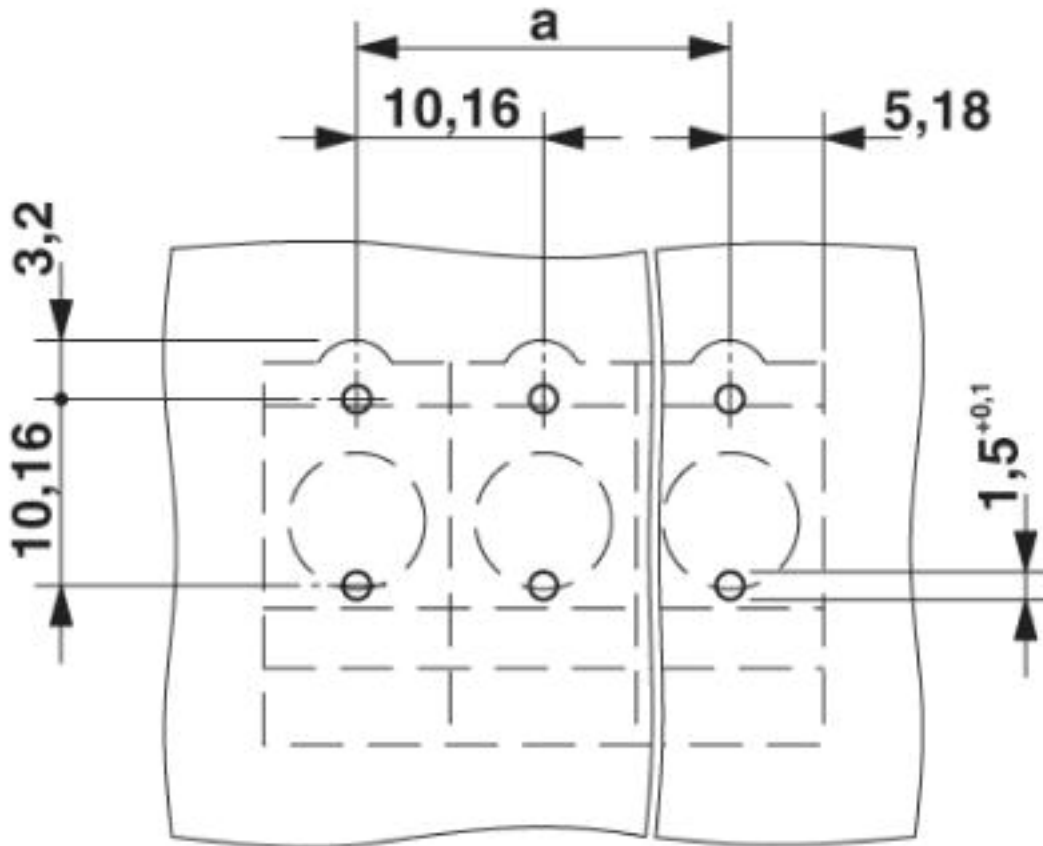
SK 10/5:SO - 0805179



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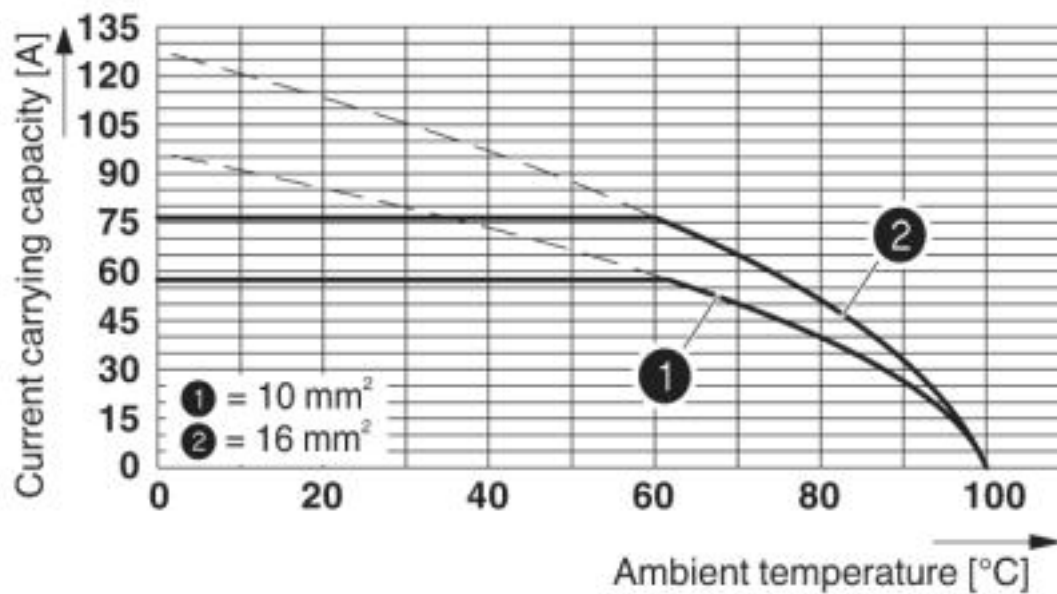
Drawings

Drilling diagram



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Diagram



Type: MKDSP 10N/...-10,16 Tested in accordance with DIN EN 60512-5-2:2003-01 Reduction factor = 1 No. of positions: 5

Dimensioned drawing

