

Single PCB terminal block - MKDS 10 HV/ 5-ZB-10,16 - 1709717

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 5, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

Product Features

- ✓ 10.16 mm pitch
- ✓ Compact high-capacity PCB terminal blocks with screw connection up to 16 mm², stranded, and a current carrying capacity of 76 A
- ✓ Unlimited 600 V UL approval thanks to zigzag pinning
- ✓ Terminal block bases that can be mounted side by side to create any number of positions

Key commercial data

package_quantity	50
GTIN	4046356074193

Technical data

Dimensions

Length	18.8 mm
Height	31 mm
Pitch	10.16 mm
Dimension a	40.64 mm
Pin dimensions	1 x 0.9 mm
Hole diameter	1.5 mm

General

Range of articles	MKDS 10 HV
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	8 kV
Rated voltage (III/3)	800 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)

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Technical data

General

Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	10 mm
Number of positions	5
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.	6 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	6 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.	4 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

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classifications

eCl@ss

eCl@ss 5.0	27141190
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 / IECCE CB Scheme / GOST / CCA / GOST / cULus Recognized /

Approval details

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

SEV	
Nominal voltage UN	800 V
Nominal current IN	
mm²/AWG/kcmil	16

cUL Recognized 

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approvals

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	60 A	60 A
mm ² /AWG/kcmil	20-6	20-6

IECEE CB Scheme 

GOST 

CCA



cULus Recognized 

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



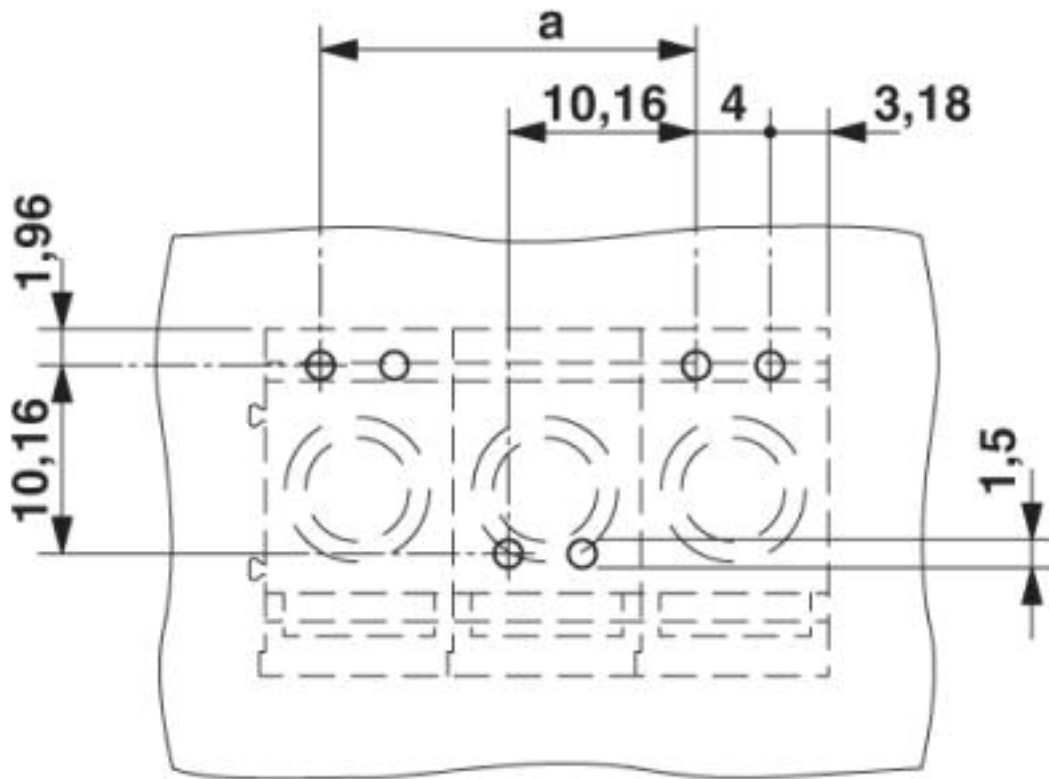
accessories

SK 10/5: 0-9 - 0804688

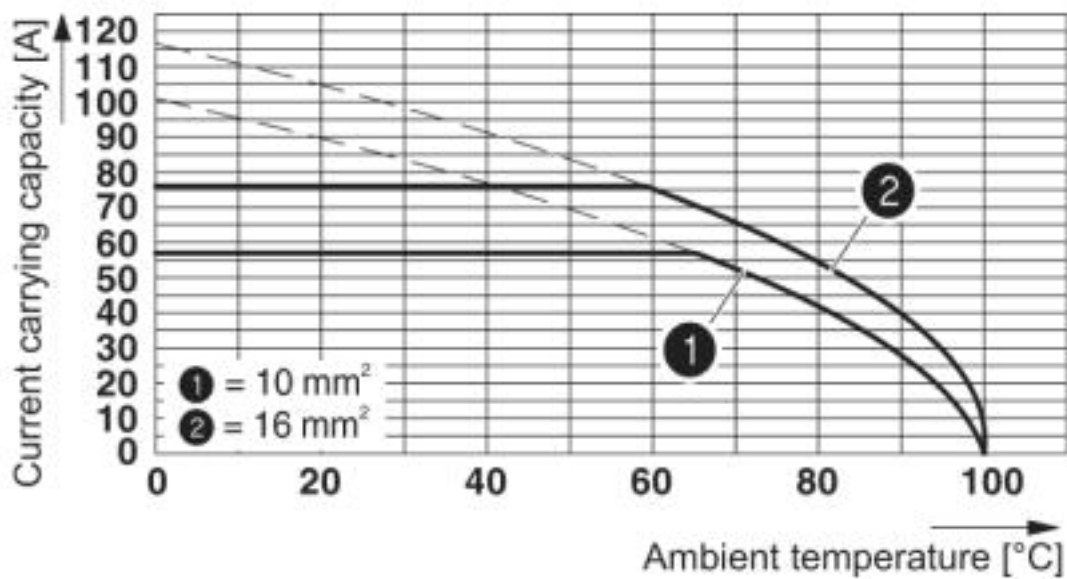
Drawings

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Drilling diagram

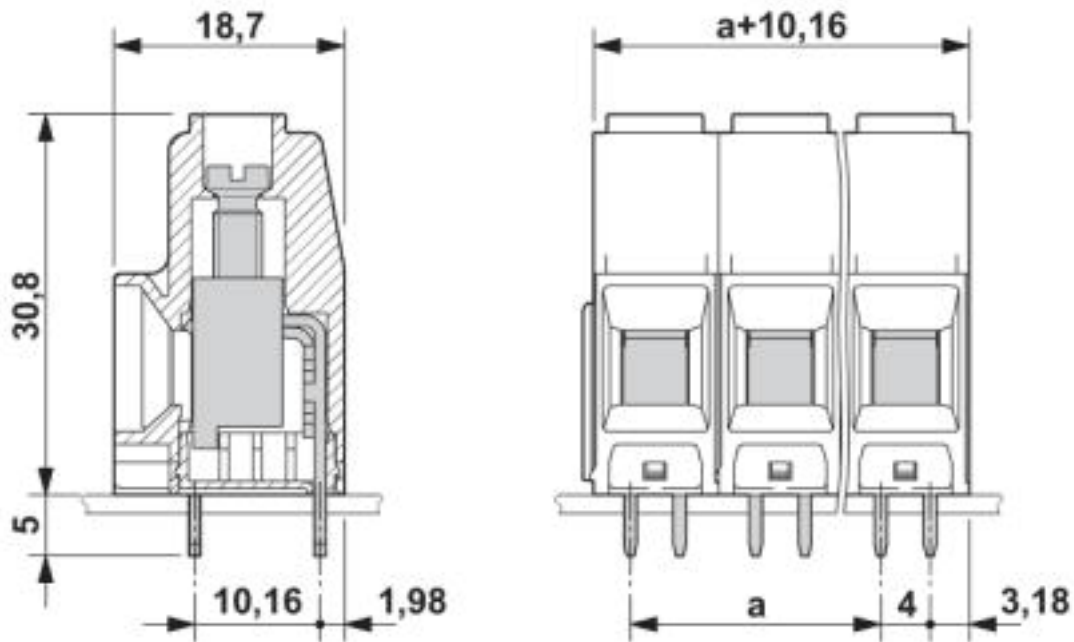


Diagram



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Dimensioned drawing



The illustration shows the dimensional drawing of the 3-pos. version of the product

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