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PCB terminal block - MKDS 10 HV/12-ZB-10,16 - 1709788

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10.16 mm, Number of positions: 12, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 5-pos. version of the product

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

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	97.36 g
Custom tariff number	85369010
Country of origin	China

Technical data

Dimensions

Length	18.7 mm
Pitch	10.16 mm
Dimension a	111.76 mm
Width	121.92 mm
Constructional height	30.8 mm
Height	35.8 mm
Length of the solder pin	5 mm
Pin dimensions	1 x 0,9 mm

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Technical data

Dimensions

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 mm²
Maximum load current	76 A (with 16 mm² conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	B6
Stripping length	10 mm
Number of positions	12
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	6 mm²

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Technical data

Connection data

2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
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
eCl@ss 9.0	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

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Approvals

Approvals

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UL Recognized / SEV / cUL Recognized / IECEE CB Scheme / CCA / EAC / cULus Recognized

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Ex Approvals

Approvals submitted

Approval details

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

SEV	
mm²/AWG/kcmil	10
Nominal current IN	76 A
Nominal voltage UN	800 V

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

IECEE CB Scheme

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Approvals

CCA

EAC

cULus Recognized

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034

Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 16 S - 1207983

Crimping pliers for ferrules up to 16 mm²

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

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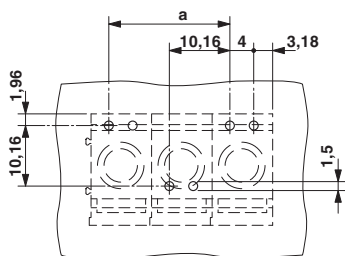
Accessories
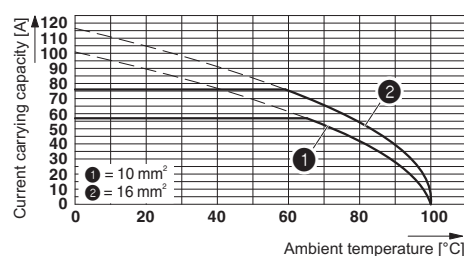
Marker strip - SK 5,0 WH:REEL - 0805221

Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, THERMOMARK ROLL X1, Mounting type: Adhesive, Lettering field: continuous x 5 mm
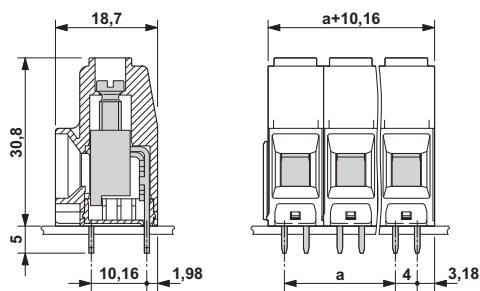
Drawings

Drilling diagram

Diagram

Dimensional drawing

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

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