

## PCB terminal block - MKDSN 1,5/ 5 - 1729047

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 5, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

### Product Features

- PCB terminal blocks with compact housing dimensions and low design height
- Single-row type with horizontal connection direction



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 025915
Weight per Piece (excluding packing)	4.56 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	8.1 mm
Pitch	5.00 mm
Dimension a	20 mm
Width	25 mm
Constructional height	10 mm
Height	13.5 mm
Length of the solder pin	3.5 mm

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## Technical data

### Dimensions

Pin dimensions	0,5 x 1 mm
Pin spacing	5 mm
Hole diameter	1.3 mm

### General

Range of articles	MKDSN 1,5
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	13.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	13.5 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	6 mm
Number of positions	5
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16

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### Technical data

#### Connection data

2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.75 mm <sup>2</sup>

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
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

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## Classifications

### UNSPSC

UNSPSC 13.2	39121432
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## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GL / CCA / IECCEB Scheme / RS / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-14	28-14
Nominal current IN	10 A	10 A
Nominal voltage UN	150 V	300 V

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current IN	13.5 A

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## Approvals

Nominal voltage UN	250 V
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cUL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage UN	300 V	300 V

GL

CCA

IECEE CB Scheme

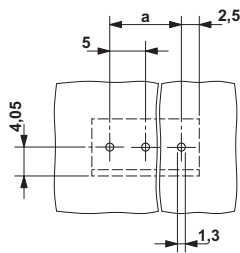
RS

EAC

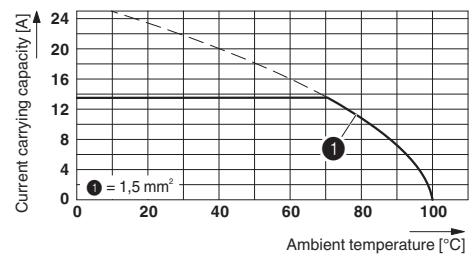
cULus Recognized

## Drawings

Drilling diagram



Diagram



## PCB terminal block - MKDSN 1,5/ 5 - 1729047

Dimensional drawing

