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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# PCB terminal block - MKDSN 2.5/ 3 - 1890976

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PC terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

The illustration shows a 2-position version

## Why buy this product

- Low-profile design, for generously dimensioned connection cross section of 2.5 mm<sup>2</sup>
- 5.0 or 5.08 mm pitch



## Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 95 (CC-2011)
GTIN	 4 017918 169473
Custom tariff number	85369010
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Length	9.5 mm
Pitch	5 mm
Dimension a	10 mm
Number of positions	3
Pin dimensions	0,8 x 0,9 mm
Pin spacing	5 mm
Hole diameter	1.3 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Technical data

Range of articles	MKDSN 2,5
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## Technical data

### Technical data

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 $I_N$	16 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	16 A (with 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	6.5 mm
Nominal voltage, UL/CUL Use Group B	300 V
Nominal current, UL/CUL Use Group B	20 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	15 A

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.2 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.	0.2 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.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

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

### 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

## Approvals

### Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

# PCB terminal block - MKDSN 2.5/ 3 - 1890976

## Approvals

UL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current I <sub>N</sub>	20 A	15 A
Nominal voltage U <sub>N</sub>	300 V	150 V

VDE Gutachten mit Fertigungsüberwachung

mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	30-12	30-12
Nominal current I <sub>N</sub>	20 A	15 A
Nominal voltage U <sub>N</sub>	300 V	150 V

GOST

GOST

cULus Recognized

## Accessories

Accessories

Bridges

## PCB terminal block - MKDSN 2.5/ 3 - 1890976

### Accessories

Insertion bridge - EBP 3- 5 - 1733172



Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 3

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### Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, For terminal block width: 5 mm

Marker cards - SK 5/3,8:UNBEDRUCKT - 0805409



Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5 mm

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### 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

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## Accessories

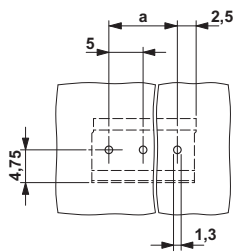
Insertion bridge - EBP 2- 5 - 1733169



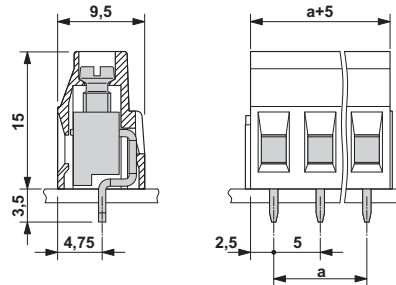
Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

## Drawings

Drilling diagram



Dimensioned drawing



Diagram

