

# PCB connection terminal block - MKDSN 2,5/ 4-5,08 - 1888700

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PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

## Product Features

- 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

<b>package_quantity</b>	250
<b>GTIN</b>	4017918157029

## Technical data

### Dimensions

<b>Length</b>	9.5 mm
<b>Pitch</b>	5.08 mm
<b>Dimension a</b>	15.24 mm
<b>Pin dimensions</b>	0,8 x 0,9 mm
<b>Hole diameter</b>	1.3 mm

### General

<b>Range of articles</b>	MKDSN 2,5
<b>Insulating material group</b>	I
<b>Rated surge voltage (III/3)</b>	4 kV
<b>Rated surge voltage (III/2)</b>	4 kV
<b>Rated surge voltage (II/2)</b>	4 kV
<b>Rated voltage (III/3)</b>	250 V
<b>Rated voltage (III/2)</b>	400 V
<b>Rated voltage (II/2)</b>	630 V
<b>Connection in acc. with standard</b>	EN-VDE
<b>Nominal current I<sub>N</sub></b>	16 A
<b>Nominal cross section</b>	2.5 mm <sup>2</sup>
<b>Maximum load current</b>	16 A (with 2.5 mm <sup>2</sup> conductor cross section)
<b>Insulating material</b>	PA
<b>Solder pin surface</b>	Sn
<b>Inflammability class according to UL 94</b>	V0

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## Technical data

### General

Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	4
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### 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>
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

### 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

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## classifications

### eCl@ss

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

### Approval details

<b>UL Recognized</b>		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-12	30-12

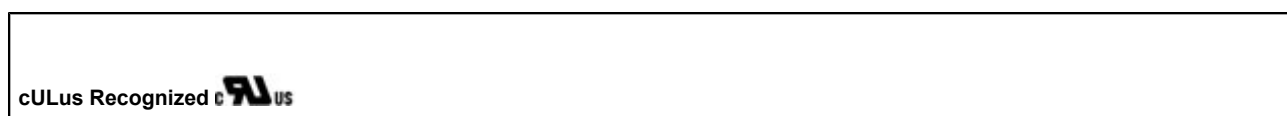
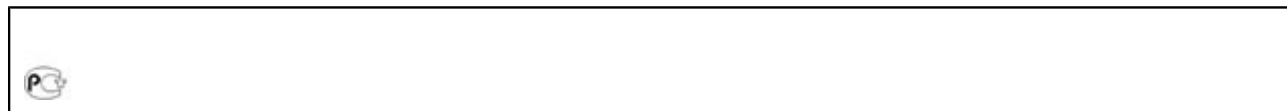
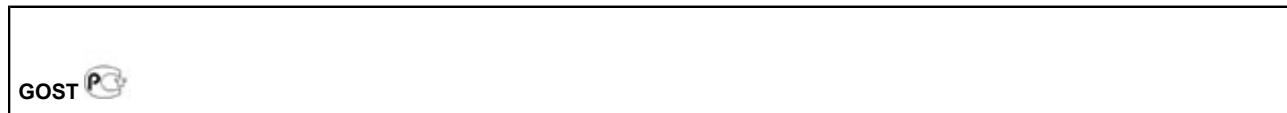
<b>VDE Gutachten mit Fertigungsüberwachung</b>	
Nominal voltage UN	250 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

<b>cUL Recognized</b>		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A

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## approvals

Usegroups	B	D
mm²/AWG/kcmil	30-12	30-12



## accessories

### Labeled terminal marker

SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### Bridge

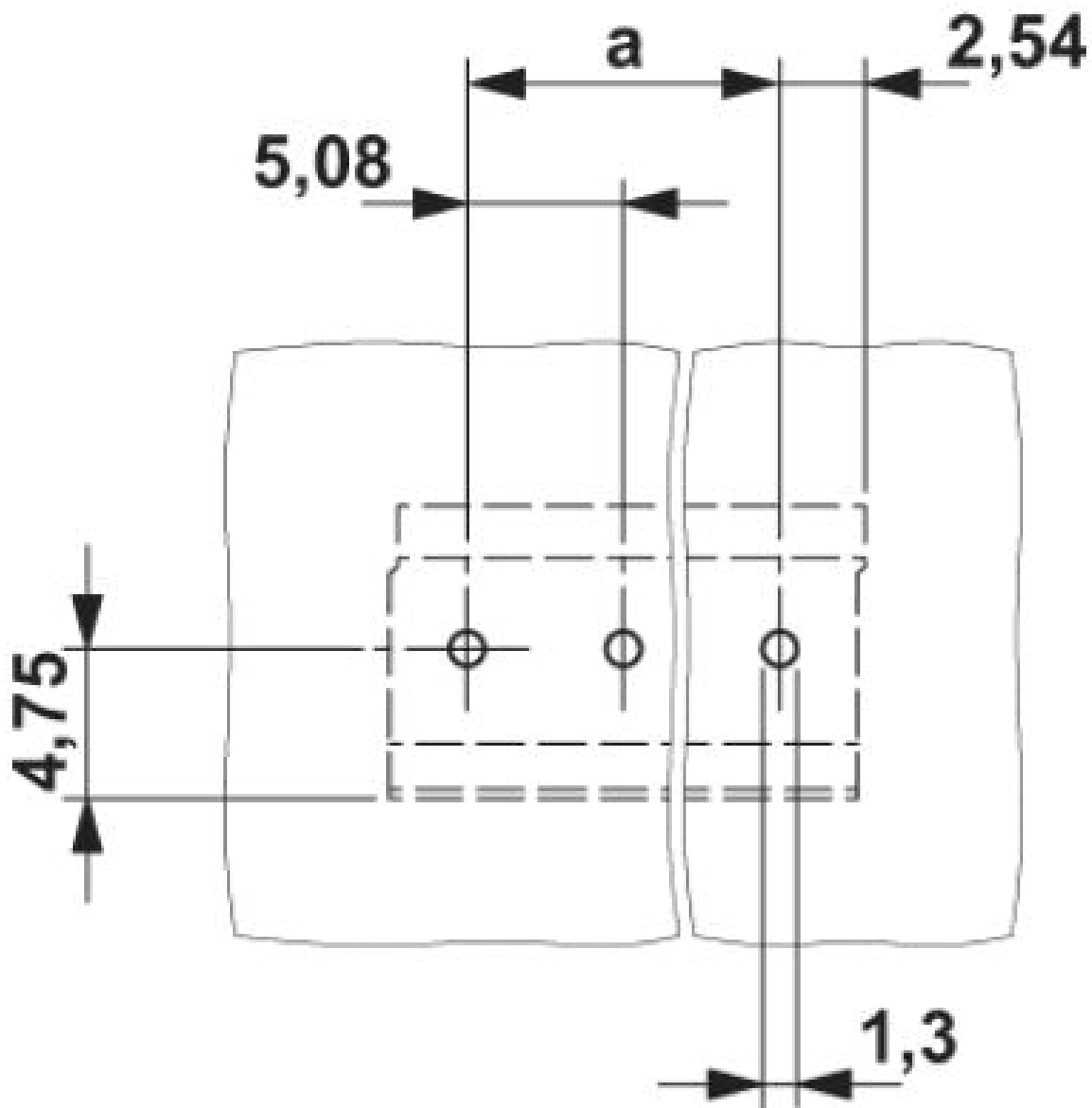
EBP 2- 5 - 1733169



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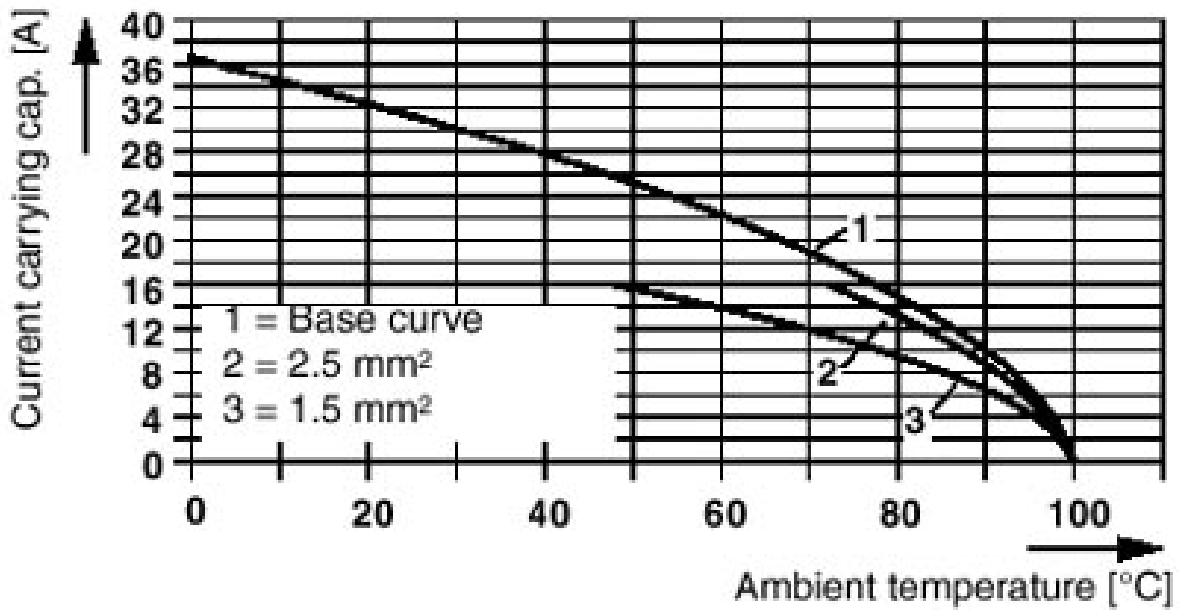
Drawings

Drilling diagram



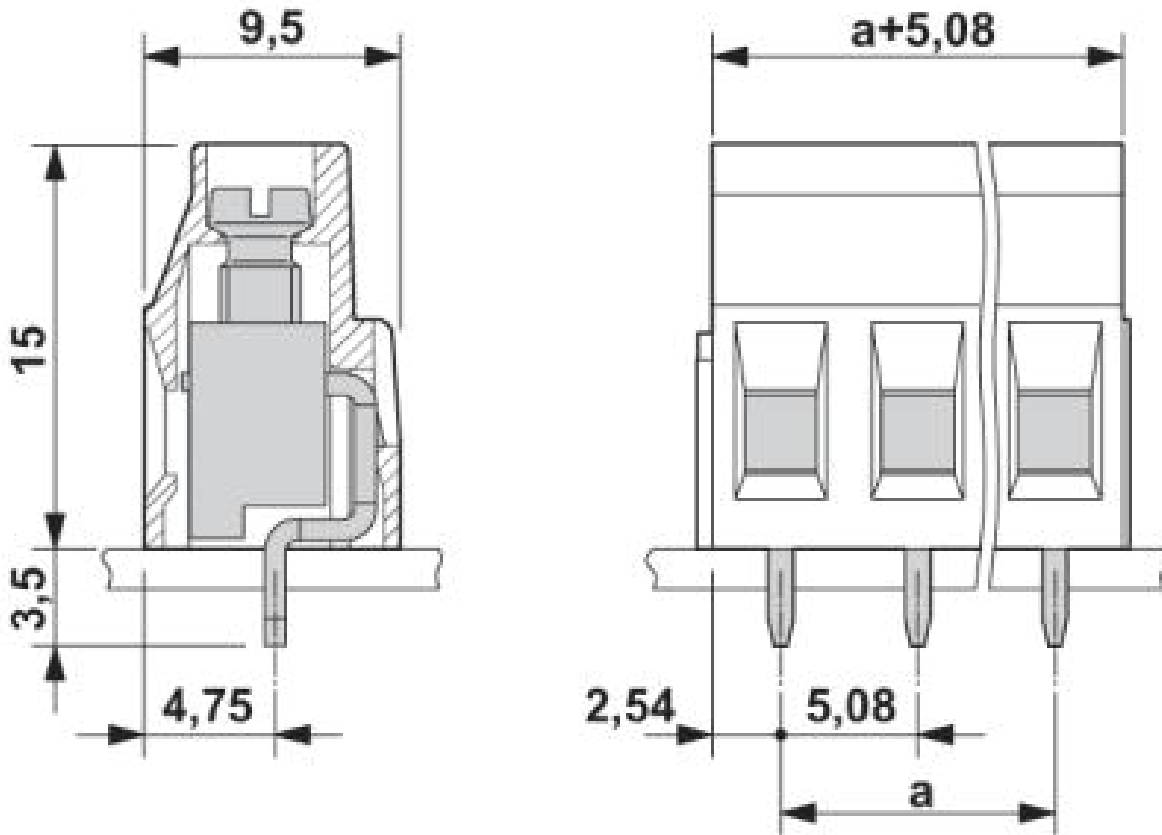
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Diagram



# PCB connection terminal block - MKDSN 2,5/ 4-5,08 - 1888700

Dimensioned drawing



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