

# PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

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PCB terminal block, Nominal current: 125 A, Nom. voltage: 1000 V, Pitch: 15 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, For PCB mounting, please note that the conductor tractive forces directly beside the PCB terminal blocks are absorbed by bolts fastened to the housing of the device.

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

## Product Features

- Integrated test connection
- High-capacity PCB terminal blocks with screw connection up to 35 mm<sup>2</sup> conductor cross section and a current carrying capacity of 125 A
- Unlimited 600 V UL approval
- Integrated protective guide

## Key commercial data

package_quantity	25
GTIN	4017918902100

## Technical data

### Dimensions

Length	31 mm
Pitch	15 mm
Dimension a	45 mm
Pin dimensions	1,2 x 1,2 mm
Hole diameter	1.6 mm

### General

Range of articles	MKDSP 25
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)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	125 A
Nominal cross section	35 mm <sup>2</sup>

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## Technical data

### General

Maximum load current	125 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 7
Stripping length	18 mm
Number of positions	4
Screw thread	M5
Tightening torque, min	2.5 Nm
Tightening torque max	4.5 Nm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	35 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	1 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	2
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 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.	6 mm <sup>2</sup>
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	2

## classifications

eCl@ss

eCl@ss 4.0	27141109
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## classifications

### eCl@ss

eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### 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 / GOST / CCA / IEC CB Scheme / GOST / SEV / cULus Recognized /

### Approval details

UL Recognized 			
Usegroups	B	C	
Nominal voltage UN	600 V	600 V	600 V
Nominal current IN	115 A	115 A	125 A
mm <sup>2</sup> /AWG/kcmil	20-2	20-2	8-2

SEV	
Nominal voltage UN	1000 V
Nominal current IN	125 A
mm <sup>2</sup> /AWG/kcmil	35

cUL Recognized 	
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## approvals

Usegroups	B	C	
Nominal voltage UN	600 V	600 V	600 V
Nominal current IN	115 A	115 A	125 A
mm <sup>2</sup> /AWG/kcmil	20-2	20-2	8-2



Nominal voltage UN	1000 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	35



## accessories

### Test plug terminal block

RPS - 0201647



## Screwdriver tools

# PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

## accessories

SZS 1,0X6,5 VDE - 1205079



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## Terminal marking

ZBF 15:UNBEDRUCKT - 0811202



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## accessories

SK 15/5:UNBEDRUCKT - 0811192

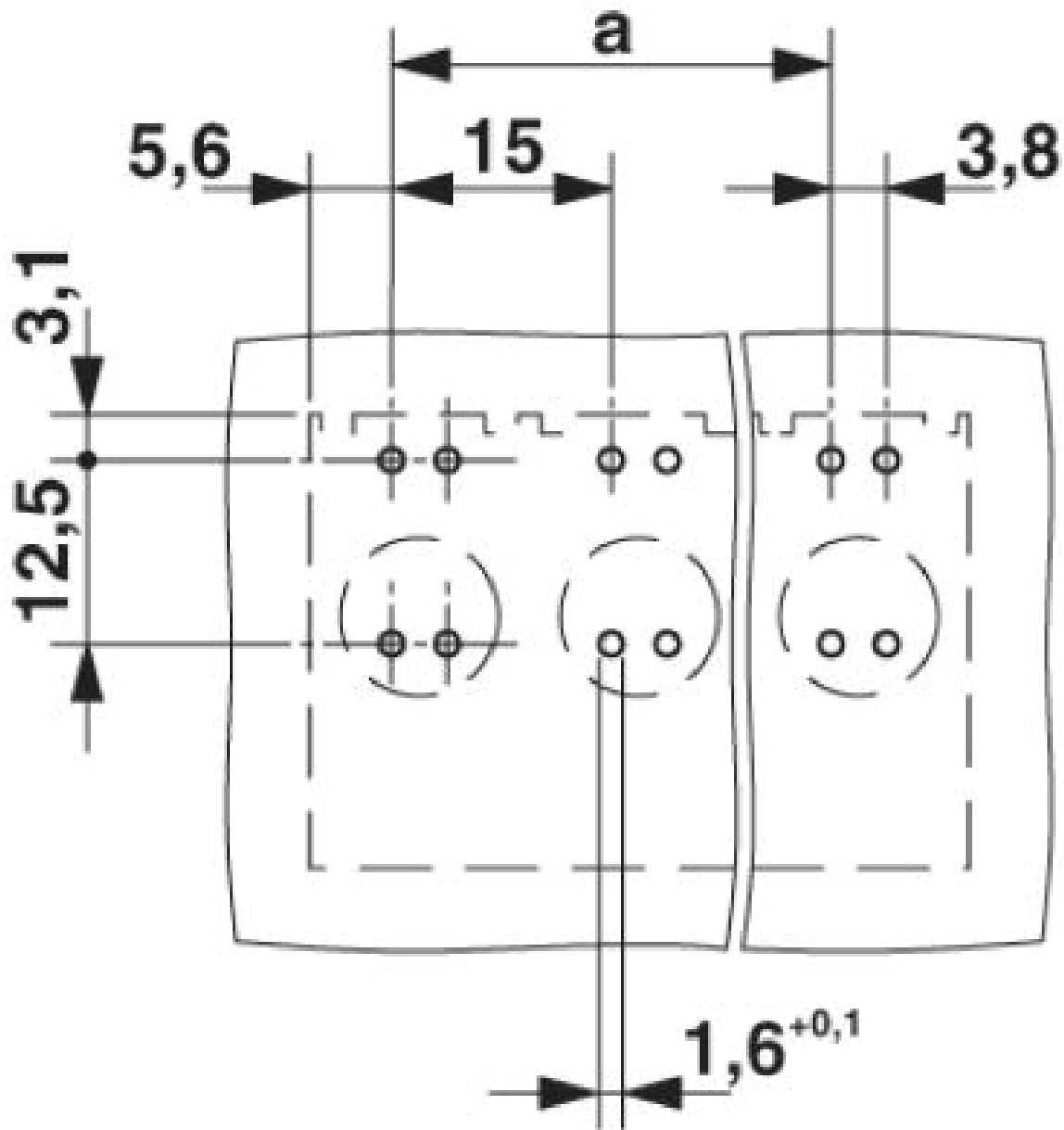


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## Drawings

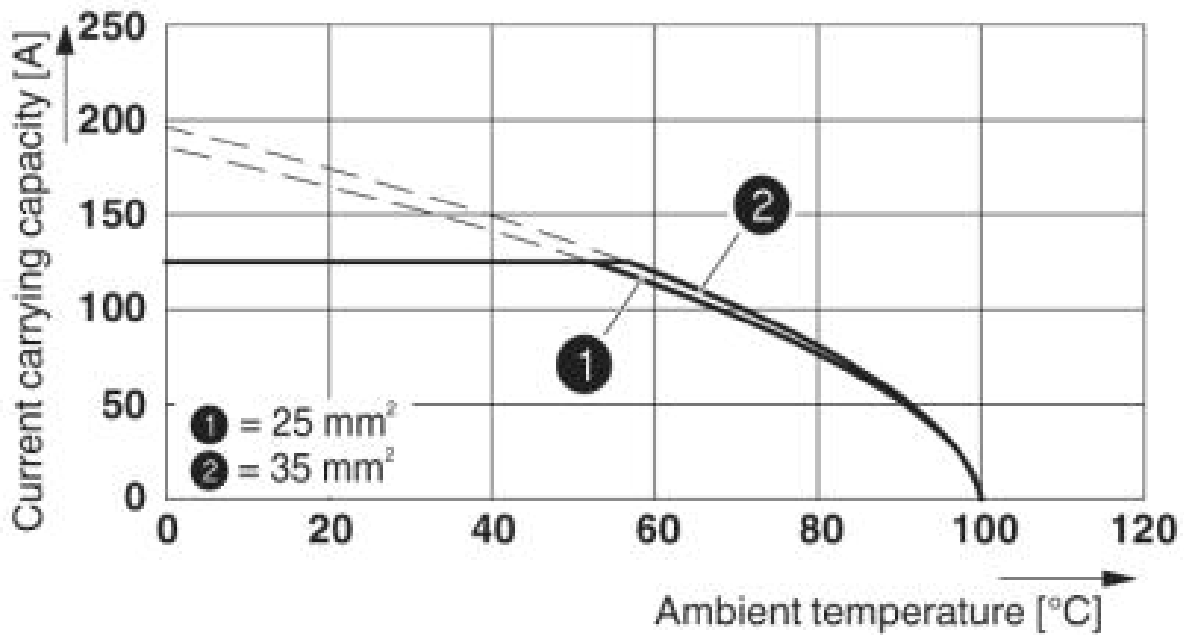
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Drilling diagram



# PCB terminal block - MKDSP 25/ 4-15,00 - 1932601

Diagram



Type: MKDSP 25/...-15,00 Tested in accordance with DIN EN 60512-5-2:2003-01 Reduction factor = 1 No. of positions: 5

Dimensioned drawing

