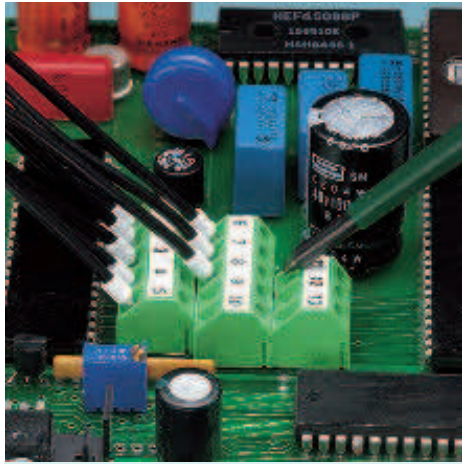


# PCB terminal blocks for MCR technology - COMBICON control

## PCB terminal blocks with screw connection for wave soldering processes, currents of up to 32 A

### Connection cross section of up to 1.5 mm<sup>2</sup>



- PCB terminal blocks with compact housing dimensions and a flat design
- Conductor cross sections up to 1.5 mm<sup>2</sup>
- 5.0 or 5.08 mm pitch

#### MKDSN 1,5/....

- Single-row type with horizontal connection direction

#### SMKDSN 1,5/...

- Conductor and screwdriver axis at an angle of 55° to the usual direction
- Arrangement of several terminal block rows one behind the other – multi-level effect with the same design

#### Notes:

In order to avoid tolerances between the terminal blocks and PCB, the terminal row should be interrupted when the number of positions exceeds 30.

1) Please observe the current carrying capacity curves. Other current carrying capacity curves are available on request.






Metric 5 mm pitch



Detection lug for models with a 5.08 mm inch pitch

### Accessories

For all types	Type	Page
	Marker cards SK 5/3,8 or SK 5,08/3,8	842
	Screwdriver SZS 0,6 x 3,5 Order No. 1205053	
	Insertion bridge EBP...- 5	853

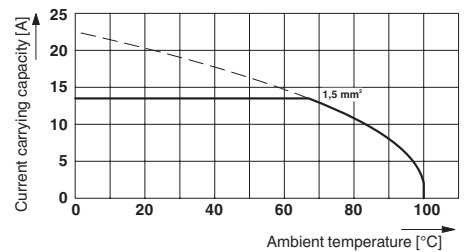
### Current carrying capacity curve

Type: MKDSN 1,5/5

Tested in accordance with DIN EN 60512-5-2:2003-01

Reduction factor = 1

No. of positions: 5



### Technical data

Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm <sup>2</sup> ]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm <sup>2</sup> ] / [mm <sup>2</sup> ] / AWG
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with ferrules with plastic sleeve	[mm <sup>2</sup> ]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm <sup>2</sup> ]
Stranded with ferrules without plastic sleeve	[mm <sup>2</sup> ]
Stranded with TWIN ferrule with plastic sleeve	[mm <sup>2</sup> ]
Insulation coordination	
Surge voltage category / pollution degree	
Rated insulation voltage	[V]
Rated surge voltage	[kV]
Approval data (UL/CUL)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
Approval data (CSA)	Use Group
Nominal voltage	[V]
Nominal current	[A]
Connection capacity AWG	AWG
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Type of insulation material / insulation material group	
Inflammability class according to UL 94	
Drill hole diameter / pin dimensions	[mm]

### MKDSN 1,5

13.5 <sup>1)</sup> / 1.5		
400		
5 / 5.08		
0.14 - 1.5 / 0.14 - 1.5 / 26 - 16		
0.25 - 1.5		
0.25 - 1.5		
0.14 - 0.75 / 0.14 - 0.75		
0.25 - 0.5		
0.5 - 1		
III / 3	III / 2	II / 2
250	400	630
4	4	4
B	C	D
300	-	300
10	-	10
30 - 14	-	30 - 14
B	C	D
150	-	300
10	-	10
28 - 14	-	28 - 14
6		
M3		
0.5 - 0.6		
PA / I		
V0		
1.3 / 0.5 x 1 mm		

### SMKDSN 1,5

13.5 <sup>1)</sup> / 1.5		
400		
5 / 5.08		
0.14 - 1.5 / 0.14 - 1.5 / 26 - 16		
0.25 - 1.5		
0.25 - 1.5		
0.14 - 0.75 / 0.14 - 0.75		
0.25 - 0.5		
0.5 - 1		
III / 3	III / 2	II / 2
250	400	630
4	4	4
B	C	D
300	-	300
10	-	10
30 - 14	-	30 - 14
B	C	D
150	-	300
10	-	10
28 - 14	-	28 - 14
6		
M3		
0.5 - 0.6		
PA / I		
V0		
1.3 / 0.5 x 1 mm		

No. of pos.	Dim. a [mm]
2	5.00
3	10.00
4	15.00
5	20.00
6	25.00
7	30.00
8	35.00
9	40.00
10	45.00
11	50.00
12	55.00
13	60.00
14	65.00
15	70.00
16	75.00
2	5.08
3	10.16
4	15.24
5	20.32
6	25.40
7	30.48
8	35.56
9	40.64
10	45.72
11	50.80
12	55.88
13	60.96
14	66.04
15	71.12
16	76.20

