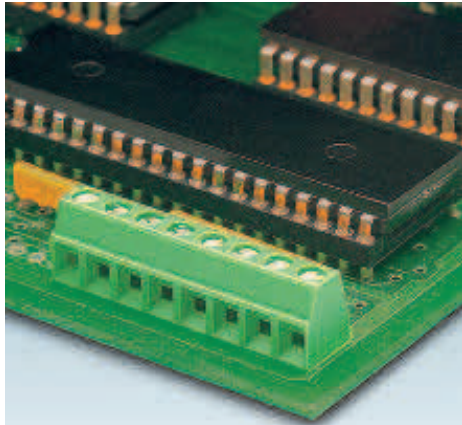


PCB terminal blocks for MCR technology - COMBICON control

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

Connection cross section of up to 1.5 mm²



- PCB terminal blocks with extremely compact housing dimensions with 3.5 or 3.81 mm pitch

MKDS 1/...

- Single-row type with horizontal connection direction

SMKDS 1/....

- 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

MKKDS 1/....

- Double-level type with high packing and connection density
- Offset levels for optimum access to the terminal points

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 3.5 mm pitch



Detection lug for models with a 3.81 mm inch pitch

Accessories

For all types	Type	Page
	Marker cards SK 3,5/2,8 or SK 3,81/2,8	841
	Screwdriver SZS 0,4 x 2,5 Order No. 1205037	

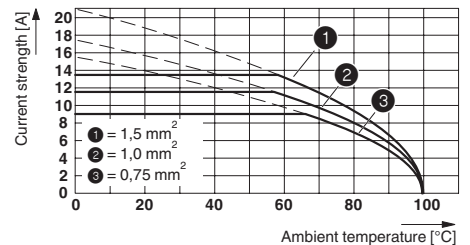
Current carrying capacity curve

Type: MKDS 1/5-3,5

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

Reduction factor = 1

No. of positions = 5



Technical data

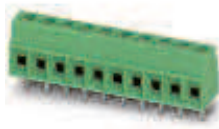
Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm ²]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm ²] / [mm ²] / AWG
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with ferrules with plastic sleeve	[mm ²]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm ²]
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]

MKDS 1			SMKDS 1			MKKDS 1		
10 ¹⁾ / 1			10 ¹⁾ / 1			8 ¹⁾ / 1		
200			200			200		
3.5 / 3.81			3.5 / 3.81			3.5 / 3.81		
0.14 - 1.5 / 0.14 - 1 / 26 - 16			0.14 - 1.5 / 0.14 - 1 / 26 - 16			0.14 - 1.5 / 0.14 - 1 / 26 - 16		
0.25 - 0.5			0.25 - 0.5			0.25 - 0.5		
0.25 - 0.5			0.25 - 0.5			0.25 - 0.5		
0.14 - 0.5 / 0.14 - 0.2			0.14 - 0.5 / 0.14 - 0.2			0.14 - 0.5 / 0.14 - 0.2		
III / 3	III / 2	II / 2	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2
160	200	400	160	200	400	160	200	400
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
B	C	D	B	C	D	B	C	D
300	-	300	300	-	300	300	-	300
10	-	10	10	-	10	10	-	10
30 - 16	-	30 - 16	30 - 16	-	30 - 16	30 - 16	-	30 - 16
B	C	D	B	C	D	B	C	D
150	-	300	150	-	300	150	-	300
10	-	10	10	-	10	10	-	10
28 - 16	-	28 - 16	28 - 16	-	28 - 16	28 - 16	-	28 - 16
5			5			5		
M2			M2			M2		
0.22 - 0.25			0.22 - 0.25			0.22 - 0.25		
PA / I			PA / I			PA / I		
V0			V0			V0		
1.1 / 0.5 x 0.9 mm			1.1 / 0.5 x 0.9 mm			1.1 / 0.5 x 0.9 mm		

No. of pos.	Dim. a [mm]
2	3.50
3	7.00
4	10.50
5	14.00
6	17.50
7	21.00
8	24.50
9	28.00
10	31.50
11	35.00
12	38.50
13	42.00
14	45.50
15	49.00
16	52.50
2	3.81
3	7.62
4	11.43
5	15.24
6	19.05
7	22.86
8	26.67
9	30.48
10	34.29
11	38.10
12	41.91

PCB terminal blocks for MCR technology - COMBICON control

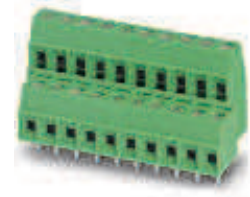
PCB terminal blocks with screw connection for wave soldering processes, currents of up to 32 A



With horizontal connection direction



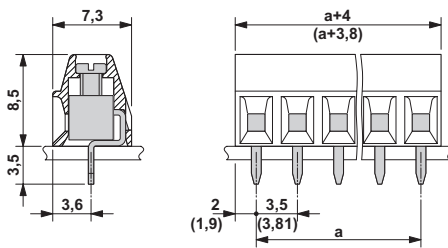
With 55° angled connection direction



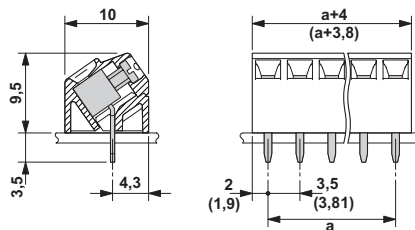
Double-level PCB terminal block with offset levels



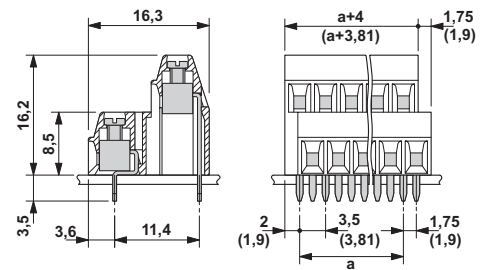
Dimensional drawing



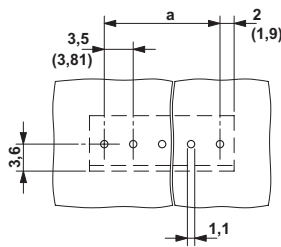
Dimensional drawing



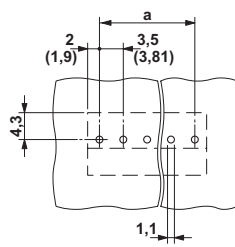
Dimensional drawing



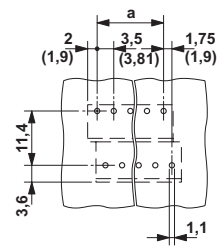
Drilling diagram



Drilling diagram



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
MKDS 1/ 2-3,5	1751248	50
MKDS 1/ 3-3,5	1751251	50
MKDS 1/ 4-3,5	1751264	50
MKDS 1/ 5-3,5	1751277	50
MKDS 1/ 6-3,5	1751280	50
MKDS 1/ 7-3,5	1751293	50
MKDS 1/ 8-3,5	1751303	50
MKDS 1/ 9-3,5	1751316	50
MKDS 1/10-3,5	1751329	50
MKDS 1/11-3,5	1751332	50
MKDS 1/12-3,5	1751345	50
MKDS 1/13-3,5	1751358	50
MKDS 1/14-3,5	1751361	50
MKDS 1/15-3,5	1751374	50
MKDS 1/16-3,5	1751387	50
3.81 mm pitch, color: green		
MKDS 1/ 2-3,81	1727010	50
MKDS 1/ 3-3,81	1727023	50
MKDS 1/ 4-3,81	1727036	50
MKDS 1/ 5-3,81	1727049	50
MKDS 1/ 6-3,81	1727052	50
MKDS 1/ 7-3,81	1727065	50
MKDS 1/ 8-3,81	1727078	50
MKDS 1/ 9-3,81	1727081	50
MKDS 1/10-3,81	1727094	50
MKDS 1/11-3,81	1727104	50
MKDS 1/12-3,81	1727117	50

Ordering data

Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
SMKDS 1/ 2-3,5	1751099	50
SMKDS 1/ 3-3,5	1751109	50
SMKDS 1/ 4-3,5	1751112	50
SMKDS 1/ 5-3,5	1751125	50
SMKDS 1/ 6-3,5	1751138	50
SMKDS 1/ 7-3,5	1751141	50
SMKDS 1/ 8-3,5	1751154	50
SMKDS 1/ 9-3,5	1751167	50
SMKDS 1/10-3,5	1751170	50
SMKDS 1/11-3,5	1751183	50
SMKDS 1/12-3,5	1751196	50
SMKDS 1/13-3,5	1751206	50
SMKDS 1/14-3,5	1751219	50
SMKDS 1/15-3,5	1751222	50
SMKDS 1/16-3,5	1751235	50
3.81 mm pitch, color: green		
SMKDS 1/ 2-3,81	1728284	50
SMKDS 1/ 3-3,81	1728297	50
SMKDS 1/ 4-3,81	1728307	50
SMKDS 1/ 5-3,81	1728310	50
SMKDS 1/ 6-3,81	1728323	50
SMKDS 1/ 7-3,81	1728336	50
SMKDS 1/ 8-3,81	1728349	50
SMKDS 1/ 9-3,81	1728352	50
SMKDS 1/10-3,81	1728365	50
SMKDS 1/11-3,81	1728378	50
SMKDS 1/12-3,81	1728381	50

Ordering data

Type	Order No.	Pcs. / Pkt.
3.5 mm pitch, color: green		
MKKDS 1/ 2-3,5	1751390	50
MKKDS 1/ 3-3,5	1751400	50
MKKDS 1/ 4-3,5	1751413	50
MKKDS 1/ 5-3,5	1751426	50
MKKDS 1/ 6-3,5	1751439	50
MKKDS 1/ 7-3,5	1751442	50
MKKDS 1/ 8-3,5	1751455	50
MKKDS 1/ 9-3,5	1751468	50
MKKDS 1/10-3,5	1751471	50
MKKDS 1/11-3,5	1751484	50
MKKDS 1/12-3,5	1751497	50
MKKDS 1/13-3,5	1751507	50
MKKDS 1/14-3,5	1751510	50
MKKDS 1/15-3,5	1751523	50
MKKDS 1/16-3,5	1751536	50
3.81 mm pitch, color: green		
MKKDS 1/ 2-3,81	1708026	50
MKKDS 1/ 3-3,81	1708039	50
MKKDS 1/ 4-3,81	1708042	50
MKKDS 1/ 5-3,81	1708055	50
MKKDS 1/ 6-3,81	1708068	50
MKKDS 1/ 7-3,81	1708071	50
MKKDS 1/ 8-3,81	1708084	50
MKKDS 1/ 9-3,81	1708107	50
MKKDS 1/10-3,81	1708110	50
MKKDS 1/11-3,81	1708123	50
MKKDS 1/12-3,81	1708136	50