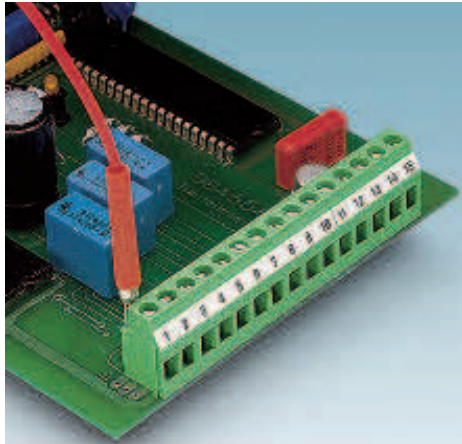


PCB terminal blocks for MCR technology - COMBICON control

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



- Single-row PCB terminal blocks for conductor cross sections up to 1.5 mm²
- 5.0 or 5.08 mm pitch

MKDSP 1,5/...

- With a 2.3 mm Ø test connection

SMKDSP 1,5/...

- Conductor and screwdriver axis at an angle of 35° to the usual direction
- Arrangement of several terminal block rows one behind the other – multi-level effect with the same design
- With a 2.3 mm Ø test connection

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
Only for MKDSP 1,5 and SMKDSP 1,5		
	Test plug MPS	855
Only for MKDS 1,5		
	Pitch spacer, width: 1.25 mm RZ 1,25-MKDS 1,5 Order No. 1702048	

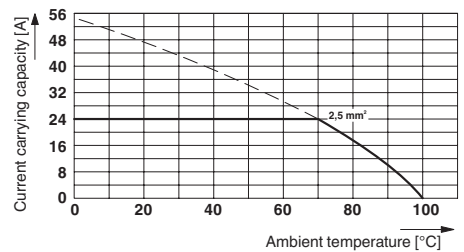
Current carrying capacity curve

Type: MKDS 1,5/2 and MKDS 1,5/3

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

Reduction factor = 1

No. of positions: 5



Technical data

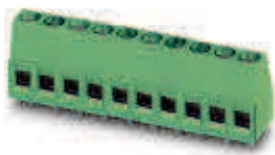
Technical data according to IEC/DIN VDE	
Rated current / conductor cross section	[A] / [mm ²]
Rated insulation voltage for pollution degree 2	[V]
Pitch	[mm]
Connection capacity	
Solid / stranded	[mm ²] / [mm ²] / AWG
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with ferrules with plastic sleeve	[mm ²]
Multi-conductor connection capacity (two conductors with the same cross section)	
Solid / stranded	[mm ²]
Stranded with ferrules without plastic sleeve	[mm ²]
Stranded with TWIN ferrule with plastic sleeve	[mm ²]
Insulation coordination	
Surge voltage category / pollution degree	III / 3 III / 2 II / 2
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 1,5			MKDSP 1,5			SMKDSP 1,5		
Rated current / conductor cross section	17.5 ¹⁾ / 1.5			17.5 ¹⁾ / 1.5			17.5 ¹⁾ / 1.5		
Rated insulation voltage for pollution degree 2	400			400			400		
Pitch	5 / 5.08			5 / 5.08			5 / 5.08		
Connection capacity									
Solid / stranded	0.14 - 2.5 / 0.14 - 1.5 / 26 - 14			0.14 - 2.5 / 0.14 - 1.5 / 26 - 14			0.14 - 2.5 / 0.14 - 1.5 / 26 - 14		
Stranded with ferrules without plastic sleeve	0.25 - 1.5			0.25 - 1.5			0.25 - 1.5		
Stranded with ferrules with plastic sleeve	0.25 - 1.5			0.25 - 1.5			0.25 - 1.5		
Multi-conductor connection capacity (two conductors with the same cross section)									
Solid / stranded	0.14 - 1 / 0.14 - 0.75			0.14 - 1 / 0.14 - 0.75			0.14 - 1 / 0.14 - 0.75		
Stranded with ferrules without plastic sleeve	0.25 - 0.5			0.25 - 0.5			0.25 - 0.5		
Stranded with TWIN ferrule with plastic sleeve	0.5 - 1			0.5 - 1			0.5 - 1		
Insulation coordination									
Surge voltage category / pollution degree	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2
Rated insulation voltage	250	400	630	250	400	630	250	400	630
Rated surge voltage	4	4	4	4	4	4	4	4	4
Approval data (UL/CUL)	B	C	D	B	C	D	B	C	D
Nominal voltage	300	-	300	300	-	300	250	-	300
Nominal current	15	-	10	10	-	10	15	-	10
Connection capacity AWG	30 - 14	-	30 - 14	30 - 14	-	30 - 14	30 - 14	-	30 - 14
Approval data (CSA)	B	C	D	B	C	D	B	C	D
Nominal voltage	300	-	300	300	-	300	300	-	300
Nominal current	10	-	10	10	-	10	10	-	10
Connection capacity AWG	28 - 14	-	28 - 14	28 - 14	-	28 - 14	28 - 14	-	28 - 14
General data									
Stripping length	7			7			7		
Screw thread	M3			M3			M3		
Tightening torque	0.5 - 0.6			0.5 - 0.6			0.5 - 0.6		
Type of insulation material / insulation material group	PA / I			PA / I			PA / I		
Inflammability class according to UL 94	V0			V0			V0		
Drill hole diameter / pin dimensions	1.3 / 0.9 x 0.9 mm			1.3 / 0.9 x 0.9 mm			1.3 / 0.9 x 0.9 mm		

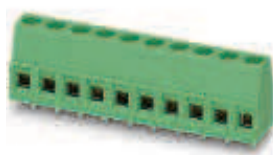
No. of pos.	Dim. a [mm]
2	5.00
3	10.00
4	15.00
5	20.00
6	25.00
7	30.00
8	35.00
9	40.00
10	45.00
11	50.00
12	55.00

PCB terminal blocks for MCR technology - COMBICON control

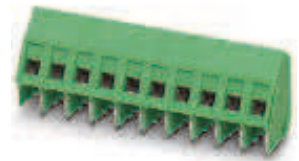
PCB terminal blocks with screw connection for wave soldering processes, currents of up to 32 A



Horizontal connection direction, with housing overlapping



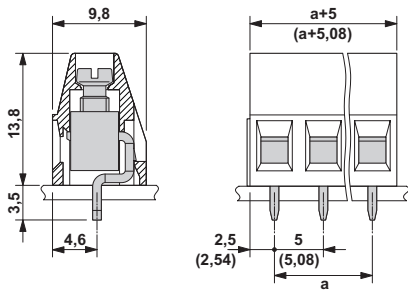
Horizontal connection direction, with test connection and housing overlapping



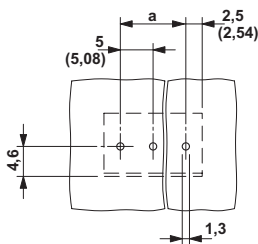
With 35° angled connection direction, with test connection and housing overlapping



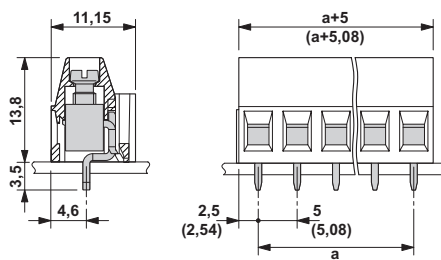
Dimensional drawing



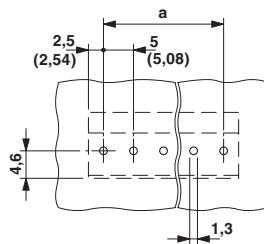
Drilling diagram



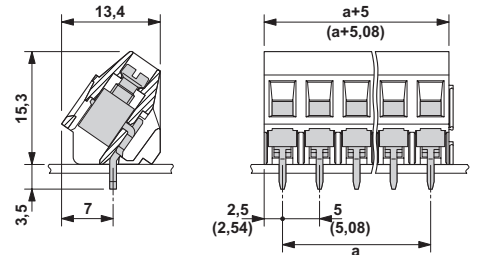
Dimensional drawing



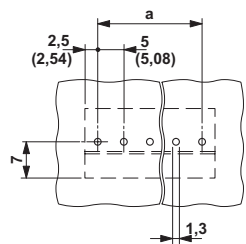
Drilling diagram



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
MKDS 1,5/ 2	1715022	50
MKDS 1,5/ 3	1715035	50
MKDS 1,5/ 4	1715048	50
MKDS 1,5/ 8	1715080	50
MKDS 1,5/12	1715129	50
5.08 mm pitch, color: green		
MKDS 1,5/ 2-5,08	1715721	50
MKDS 1,5/ 3-5,08	1715734	50
MKDS 1,5/ 4-5,08	1715747	50
MKDS 1,5/ 8-5,08	1715789	50
MKDS 1,5/10-5,08	1715802	50
MKDS 1,5/12-5,08	1715828	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
MKDSP 1,5/ 2	1730010	50
MKDSP 1,5/ 3	1730023	50
MKDSP 1,5/ 4	1730036	50
MKDSP 1,5/ 5	1730049	50
MKDSP 1,5/ 6	1730052	50
MKDSP 1,5/ 7	1730065	50
MKDSP 1,5/ 8	1730078	50
MKDSP 1,5/ 9	1730081	50
MKDSP 1,5/10	1730094	50
MKDSP 1,5/11	1730104	50
MKDSP 1,5/12	1730117	50
5.08 mm pitch, color: green		
MKDSP 1,5/ 2-5,08	1730120	50
MKDSP 1,5/ 3-5,08	1730133	50
MKDSP 1,5/ 4-5,08	1730146	50
MKDSP 1,5/ 5-5,08	1730159	50
MKDSP 1,5/ 6-5,08	1730162	50
MKDSP 1,5/ 7-5,08	1730175	50
MKDSP 1,5/ 8-5,08	1730188	50
MKDSP 1,5/ 9-5,08	1730191	50
MKDSP 1,5/10-5,08	1730201	50
MKDSP 1,5/11-5,08	1730214	50
MKDSP 1,5/12-5,08	1730227	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
SMKDSP 1,5/ 2	1733415	50
SMKDSP 1,5/ 3	1733428	50
SMKDSP 1,5/ 4	1733431	50
SMKDSP 1,5/ 5	1733444	50
SMKDSP 1,5/ 6	1733457	50
SMKDSP 1,5/ 7	1733460	50
SMKDSP 1,5/ 8	1733473	50
SMKDSP 1,5/ 9	1733486	50
SMKDSP 1,5/10	1733499	50
SMKDSP 1,5/11	1733509	50
SMKDSP 1,5/12	1733512	50
5.08 mm pitch, color: green		
SMKDSP 1,5/ 2-5,08	1733570	50
SMKDSP 1,5/ 3-5,08	1733583	50
SMKDSP 1,5/ 4-5,08	1733596	50
SMKDSP 1,5/ 5-5,08	1733606	50
SMKDSP 1,5/ 6-5,08	1733619	50
SMKDSP 1,5/ 7-5,08	1733622	50
SMKDSP 1,5/ 8-5,08	1733635	50
SMKDSP 1,5/ 9-5,08	1733648	50
SMKDSP 1,5/10-5,08	1733651	50
SMKDSP 1,5/11-5,08	1733664	50
SMKDSP 1,5/12-5,08	1733677	50