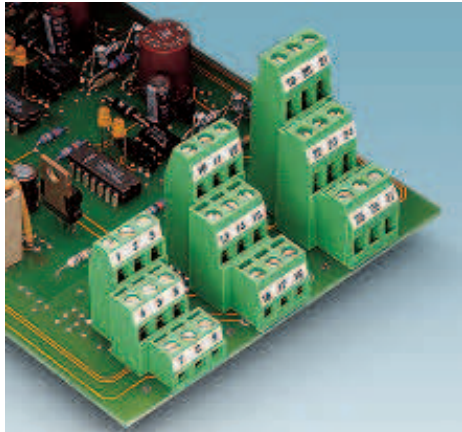


PCB terminal blocks for MCR technology - COMBICON control

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



- Compact housing dimensions and low-profile design
- Conductor cross sections up to 1.5 mm²
- 5.0 or 5.08 mm pitch

MKKDSN 1,5/...

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

MKKDSNH 1,5/...

- Single-row type, back level of the double-level PCB terminal block

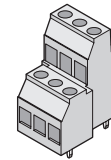
MK3DSN 1,5/...

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

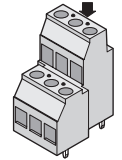
Notes:

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 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

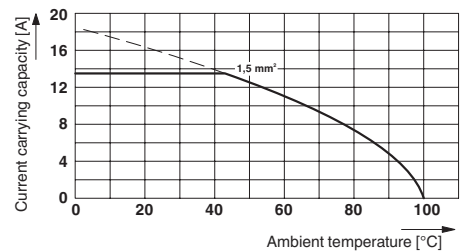
Current carrying capacity curve

Type: MKKDSN 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] / [mm²]

Rated insulation voltage for pollution degree 2 [V]

Pitch [mm]

Solid / stranded [mm²] / [mm²] / AWG

Solid / stranded [mm²] / [mm²] / AWG

Stranded with ferrules with plastic sleeve [mm²]

Multi-conductor connection capacity (two conductors with the same cross section) [mm²]

Solid / stranded [mm²]

Solid / stranded [mm²]

Stranded with TWIN ferrule with plastic sleeve [mm²]

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

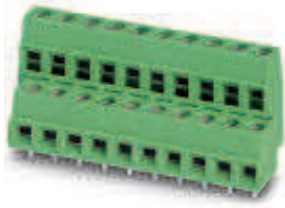
Inflammability class according to UL 94

Drill hole diameter / pin dimensions [mm]

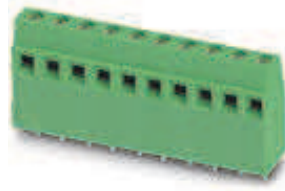
	MKKDSN 1,5			MKKDSNH 1,5			MK3DSN 1,5			No. of pos.	Dim. a [mm]
Rated current / conductor cross section [A] / [mm ²]	13.5 ¹⁾ / 1.5			13.5 ¹⁾ / 1.5			10 ¹⁾ / 1.5			2	5.00
Rated insulation voltage for pollution degree 2 [V]	400			400			400			3	10.00
Pitch [mm]	5 / 5.08			5.08			5.08			4	15.00
Solid / stranded [mm ²] / [mm ²] / AWG	0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			5	20.00
Solid / stranded [mm ²] / [mm ²] / AWG	0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			0.14 - 1.5 / 0.14 - 1.5 / 26 - 16			6	25.00
Stranded with ferrules with plastic sleeve [mm ²]	0.25 - 1.5			0.25 - 1.5			0.25 - 1.5			7	30.00
Multi-conductor connection capacity (two conductors with the same cross section) [mm ²]	0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75			8	35.00
Solid / stranded [mm ²]	0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75				
Solid / stranded [mm ²]	0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75			0.14 - 0.75 / 0.14 - 0.75			2	5.08
Stranded with TWIN ferrule with plastic sleeve [mm ²]	-			0.5 - 1			-			3	10.16
Insulation coordination										4	15.24
Surge voltage category / pollution degree	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2	III / 3	III / 2	II / 2	5	20.32
Rated insulation voltage [V]	250	400	630	250	400	630	250	400	630	6	25.40
Rated surge voltage [kV]	4	4	4	4	4	4	4	4	4	7	30.48
Approval data (UL/CUL) Use Group	B	C	D	B	C	D	B	C	D	8	35.56
Nominal voltage [V]	300	-	300	300	-	300	300	-	300		
Nominal current [A]	10	-	10	10	-	10	10	-	10		
Connection capacity AWG AWG	30 - 14	-	30 - 14	30 - 14	-	30 - 14	30 - 14	-	30 - 14		
Approval data (CSA) Use Group	B	C	D	B	C	D	B	C	D		
Nominal voltage [V]	150	-	300	-	-	-	150	-	300		
Nominal current [A]	10	-	10	-	-	-	10	-	10		
Connection capacity AWG AWG	28 - 14	-	28 - 14	-	-	-	28 - 14	-	28 - 14		
General data											
Stripping length [mm]	6			6			6				
Screw thread	M3			M3			M3				
Tightening torque [Nm]	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			V2				
Drill hole diameter / pin dimensions [mm]	1.3 / 0.5 x 1 mm			1.3 / 0.5 x 1 mm			1.3 / 0.5 x 1 mm				

PCB terminal blocks for MCR technology - COMBICON control

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



Double-level PCB terminal block with offset levels, with housing overlapping



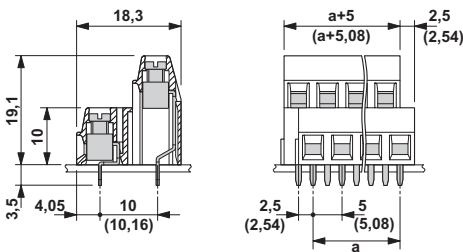
High PCB terminal block with housing overlapping



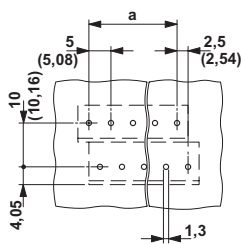
Three-level PCB terminal block with offset levels, with housing overlapping



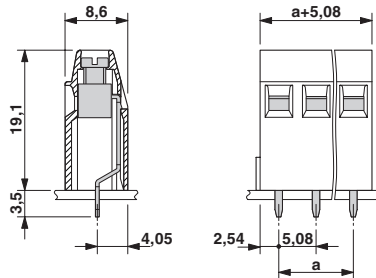
Dimensional drawing



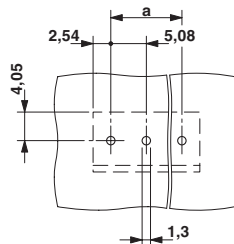
Drilling diagram



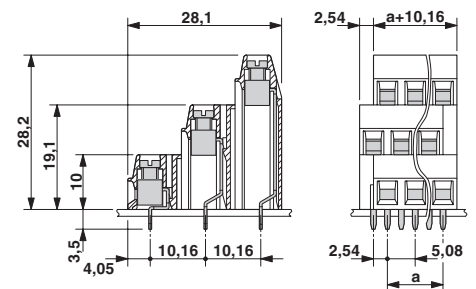
Dimensional drawing



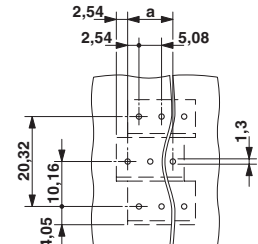
Drilling diagram



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
MKKDSN 1,5/ 2	1726037	50
MKKDSN 1,5/ 3	1726053	50
MKKDSN 1,5/ 4	1726118	50
MKKDSN 1,5/ 5	1726121	50
MKKDSN 1,5/ 6	1726134	50
MKKDSN 1,5/ 7	1726147	50
MKKDSN 1,5/ 8	1726150	50
5.08 mm pitch, color: green		
MKKDSN 1,5/ 2-5,08	1726040	50
MKKDSN 1,5/ 3-5,08	1726066	50
MKKDSN 1,5/ 4-5,08	1726163	50
MKKDSN 1,5/ 5-5,08	1726176	50
MKKDSN 1,5/ 6-5,08	1726189	50
MKKDSN 1,5/ 7-5,08	1726192	50
MKKDSN 1,5/ 8-5,08	1726202	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
MKKDSNH 1,5/ 2-5,08	1731828	50
MKKDSNH 1,5/ 3-5,08	1731831	50
MKKDSNH 1,5/ 4-5,08	1731857	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
MK3DSN 1,5/ 2-5,08	1723289	50
MK3DSN 1,5/ 3-5,08	1723292	50