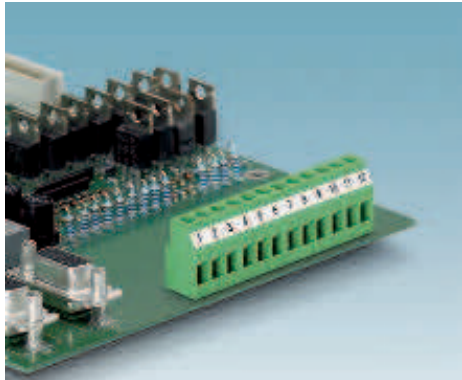


PCB terminal blocks for MCR technology - COMBICON control

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

Connection cross section of up to 2.5 mm²



– Standard PCB terminal blocks with 5.0 or 5.08 mm pitch

MKDS 3/...-B-5,08

– Distributor terminal block with an internally bridged soldering metal
– Common potentials can be looped through irrespective of the conductive path

MKDSP 3/...

– With integrated test connection to accommodate 2 mm Ø test pins or 2.3 mm Ø test plugs

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
	Single cover for individual terminal positions EA-MKDS Order No. 1711408	
Only for MKDS 3		
	Pitch spacer, width: 1.25 mm RZ 1,25-MKDS 3 Order No. 1703047	
Only for MKDSP 3		
	Test plug MPS	855

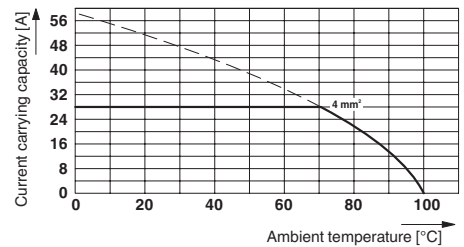
Current carrying capacity curve

Type: MKDS 3/2 and MKDS 3/3

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	
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 3/...

24 ¹⁾ / 2.5		
400		
5 / 5.08		
0.2 - 4 / 0.2 - 2.5 / 24 - 12		
0.25 - 2.5		
0.25 - 2.5		
0.2 - 1.5 / 0.2 - 1.5		
0.25 - 0.75		
0.5 - 1.5		
III / 3	III / 2	II / 2
250	400	630
4	4	4
B	C	D
300	-	300
15	-	10
30 - 12	-	30 - 12
B	C	D
300	-	300
10	-	10
28 - 12	-	28 - 12
8		
M3		
0.5 - 0.6		
PA / I		
V0		
1.3 / 0.9 x 0.9 mm		

MKDS 3/...-B-5,08

24 ¹⁾ / 2.5		
400		
5.08		
0.2 - 4 / 0.2 - 2.5 / 24 - 12		
0.25 - 2.5		
0.25 - 2.5		
0.2 - 1.5 / 0.2 - 1.5		
0.25 - 0.75		
0.5 - 1.5		
III / 3	III / 2	II / 2
250	400	630
4	4	4
B	C	D
300	-	300
15	-	10
30 - 12	-	30 - 12
B	C	D
300	-	300
10	-	10
28 - 12	-	28 - 12
8		
M3		
0.5 - 0.6		
PA / I		
V0		
1.3 / 0.9 x 0.9 mm		

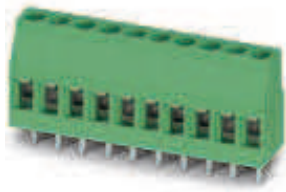
MKDSP 3/...

24 ¹⁾ / 2.5		
400		
5 / 5.08		
0.2 - 4 / 0.2 - 2.5 / 24 - 12		
0.25 - 2.5		
0.25 - 2.5		
0.2 - 1.5 / 0.2 - 1.5		
0.25 - 0.75		
0.5 - 1.5		
III / 3	III / 2	II / 2
250	400	630
4	4	4
B	C	D
250	-	300
15	-	10
30 - 12	-	30 - 12
B	C	D
300	-	300
10	-	10
28 - 12	-	28 - 12
8		
M3		
0.5 - 0.6		
PA / II		
V0		
1.3 / 0.9 x 0.9 mm		

No. of pos.	Dim. a [mm]
2	5.00
3	10.00
4	15.00
2	5.08
3	10.16
4	15.24
2	5.08
3	10.16
2	5.08
3	10.16

PCB terminal blocks for MCR technology - COMBICON control

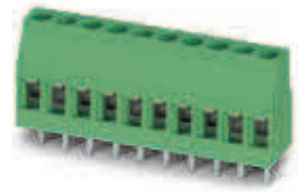
PCB terminal blocks with screw connection for wave soldering processes, currents of up to 32 A



With housing overlapping



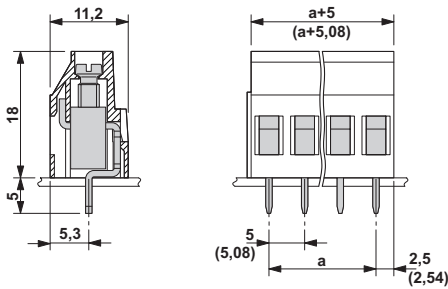
With housing overlapping, bridged internally



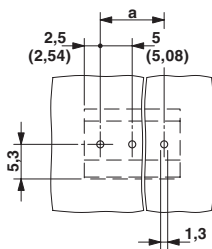
With housing overlapping and test connection



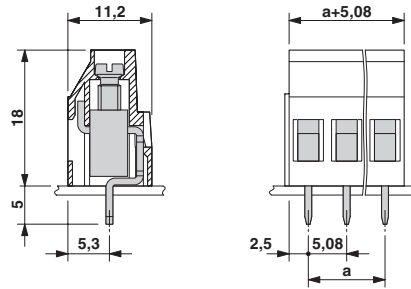
Dimensional drawing



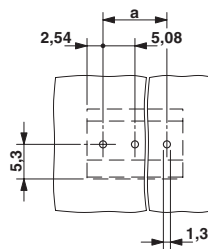
Drilling diagram



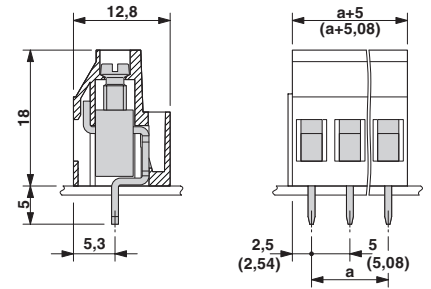
Dimensional drawing



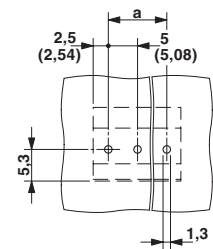
Drilling diagram



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
MKDS 3/ 2	1711026	50
MKDS 3/ 3	1711039	50
MKDS 3/ 4	1711042	50
5.08 mm pitch, color: green		
MKDS 3/ 2-5,08	1711725	50
MKDS 3/ 3-5,08	1711738	50
MKDS 3/ 4-5,08	1712805	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
MKDS 3/ 2-B-5,08	1707904	50
MKDS 3/ 3-B-5,08	1707917	50
Headers, 5.08 mm pitch, color: black		
MKDS 3/ 2-B-5,08 BK	1706455	50
MKDS 3/ 3-B-5,08 BK	1706468	50
5.08 mm pitch, color: blue		
MKDS 3/ 2-B-5,08 BU	1706439	50
MKDS 3/ 3-B-5,08 BU	1706442	50
5.08 mm pitch, color: green-yellow		
MKDS 3/ 2-B-5,08 GNYE	1706471	50
MKDS 3/ 3-B-5,08 GNYE	1706484	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.0 mm pitch, color: green		
MKDSP 3/ 2	1714023	50
MKDSP 3/ 3	1714036	50
5.08 mm pitch, color: green		
MKDSP 3/ 2-5,08	1714722	50
MKDSP 3/ 3-5,08	1714735	50