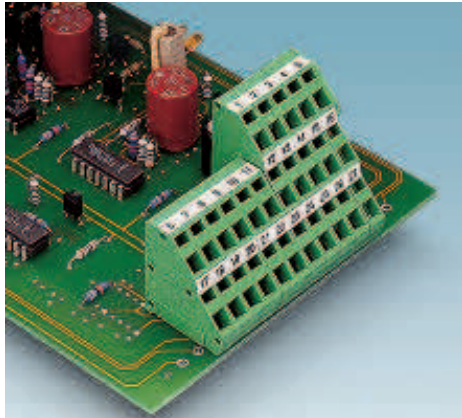


PCB terminal blocks for MCR technology - COMBICON control

PCB terminal blocks with spring-cage connection for wave soldering processes, currents of up to 24 A

Connection cross section of up to 1.5 mm²







- 5.08 mm pitch
- Three and four-level PCB single terminal blocks with spring-cage connection
- Modular design enables blocking for larger numbers of positions
- Pin-compatible with screw connection of PCB terminal blocks MK3DS 1,5 and MK4DS 1,5; two alternative connection methods are thus available for the same application without complex changes in the layout
- Delivery form: Position discs in blocks of 10
- Products with various numbers of positions can be supplied on request

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.

Accessories

For all types	Type	Page
	Marker cards SK 5,08/3,8	842
	Screwdriver SZF 1-0,6 x 3,5 Order No. 1204517	
	Ferrules with and without plastic sleeve	858
	Crimping pliers for 0.25 to 6 mm ² CRIMPFOX 6 Order No. 1212034	

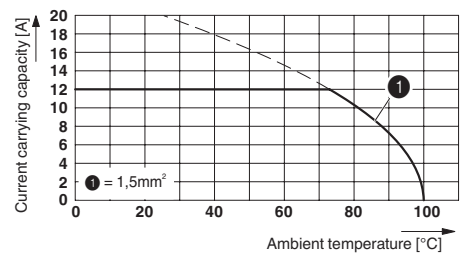
Current carrying capacity curve

Type: ZFK3DS 1,5-5,08

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

Reduction factor = 1

No. of positions: 5



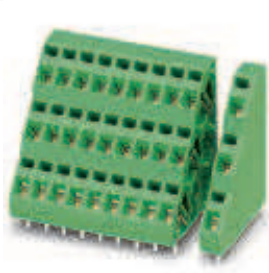
Technical data

	ZFK3DS 1,5-5,08	ZFK4DS 1,5-5,08
Technical data according to IEC/DIN VDE		
Rated current / conductor cross section [A] / [mm ²]	12 ¹⁾ / 1.5	12 ¹⁾ / 1.5
Rated insulation voltage for pollution degree 2 [V]	400	400
Pitch [mm]	5.08	5.08
Connection capacity		
Solid / stranded [mm ²] / [mm ²] / AWG	0.2 - 2.5 / 0.2 - 1.5 / 24 - 14	0.2 - 2.5 / 0.2 - 1.5 / 24 - 14
Stranded with ferrules without plastic sleeve [mm ²]	0.25 - 1.5	0.25 - 1.5
Stranded with ferrules with plastic sleeve [mm ²]	0.25 - 1.5	0.25 - 1.5
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	III / 3 III / 2 II / 2
Rated insulation voltage [V]	250 400 630	250 400 630
Rated surge voltage [kV]	4 4 4	4 4 4
Approval data (UL/CUL) Use Group	B C D	B C D
Nominal voltage [V]	250 - 300	250 - 300
Nominal current [A]	10 - 10	10 - 10
Connection capacity AWG	26 - 12 - 26 - 12	26 - 12 - 26 - 12
Approval data (CSA) Use Group	B C D	B C D
Nominal voltage [V]	300 - 300	- - -
Nominal current [A]	10 - 10	- - -
Connection capacity AWG	28 - 12 - 28 - 12	- - -
General data		
Stripping length [mm]	7.5	7.5
Type of insulation material / insulation material group	PA / I	PA / I
Inflammability class according to UL 94	V0	V0
Drill hole diameter / pin dimensions [mm]	1.3 / 0.7 x 1 mm	1.3 / 0.7 x 1 mm

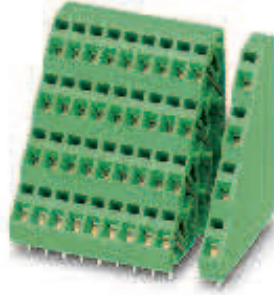
No. of pos.	1
	1
	1

PCB terminal blocks for MCR technology - COMBICON control

PCB terminal blocks with spring-cage connection for wave soldering processes, currents of up to 24 A



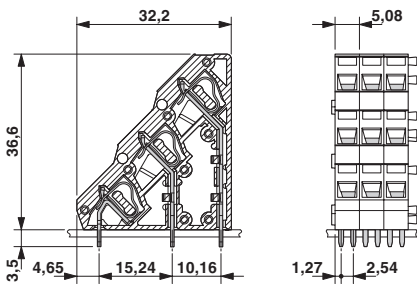
Three-level PCB terminal block



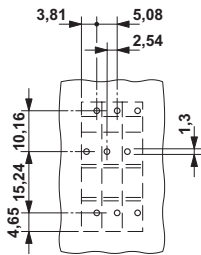
Four-level PCB terminal block



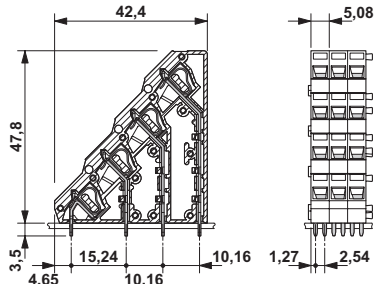
Dimensional drawing



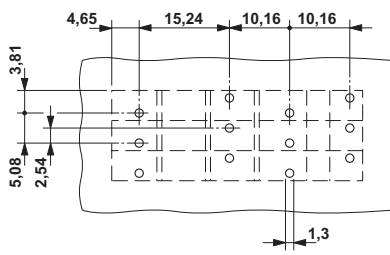
Drilling diagram



Dimensional drawing



Drilling diagram



Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
ZFK3DS 1,5-5,08	1704415	50
End terminal, 6.08 mm wide, required at the end of a row of terminal blocks		
ZFK3DSA 1,5-6,08	1704554	50
Segment terminal block, 6.35 mm wide, required to align ZFKKDS 1,5-5,08 double-level terminal blocks		
ZFK3DSA 1,5-5,08-DS	1706167	50

Ordering data

Type	Order No.	Pcs. / Pkt.
5.08 mm pitch, color: green		
ZFK4DS 1,5-5,08	1869910	50
End terminal, 6.08 mm wide, required at the end of a row of terminal blocks		
ZFK4DSA 1,5-6,08	1869923	50