



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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PCB spring-cage terminal blocks ZFKDS 10-10,00 and ZFKDS 10-15,00 10 and 15 mm pitch

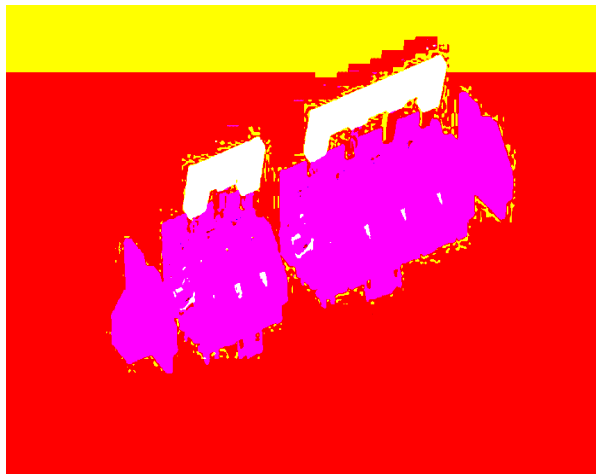
The spring-cage PCB terminal block range now features a new highlight which considerably reduces the wiring required for power electronics. With the ZFKDS 10, conductor sizes of up to 16 mm² can be connected and currents of up to 57 amps can be reliably transferred to the PCB.

The PCB terminal block already has unlimited UL rating in a 15 mm pitch of up to 600 volts.

Insulated bridges are available with a varying number of positions for looping through potentials and integrated test connections permit convenient use of test plugs.

The PCB terminal block can also be screwed down with the aid of the lateral mounting flanges.

Professional marking of the clamping point is possible with Zack marker strip, SK self-adhesive strips and direct printing.



COMBICON Select

The COMBICON search engine with CAD downloading

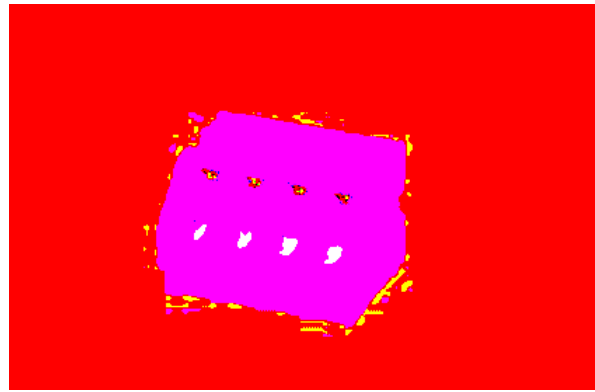







COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

- Systematic and fast selection of products
- Universal Internet aided engineering with extensive CAD downloading
- Easy-to-use e-shopping functions.

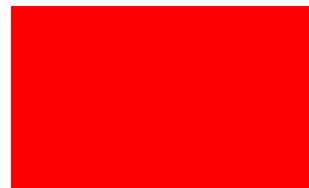
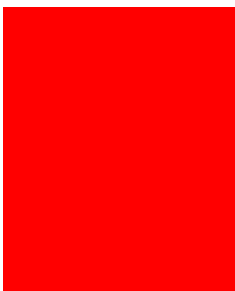
select.phoenixcontact.com/combicon

PCB spring-cage terminal block
ZFKDS 10-10,00
10 mm Pitch

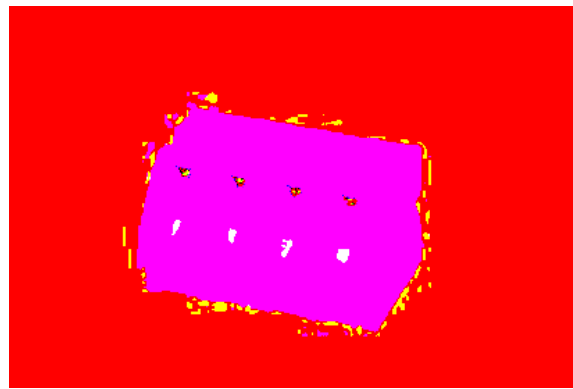






Description	
PCB spring-cage terminal block , color: green	
End terminal block , 11.7 mm wide, necessary at the end of a row of terminal blocks	
Pair of flanges , can be snapped on a row of single terminal blocks	
(1) Fixed bridge , fully insulated, pitch of 10 mm	2-pos.  3-pos.  4-pos. 
(2) Screwdriver , to release the bridge	
(3) Screwdriver , to release the spring-cage and the bridge with a 15 mm pitch	
(4) Marker card , with 12 pcs., 10-section marker strips, white self-adhesive, for 120 terminal blocks	
Technical data	
Dimensions	
Pitch	[mm] 10
Hole diameter	[mm] 2.2
Pin dimensions	[mm]x[mm] 1.2 x 1.4
Technical data in accordance with IEC/ DIN VDE	
Insulating material group	—
Surge voltage category / contamination class	—/—
Rated voltage	[V] 320
Rated surge voltage	[kV] 4
Nominal current / cross section	[A]/[mm ²] 57 / 10
Maximum load current / cross section	[A]/[mm ²] 57 / 16
Connection capacity	
Solid / stranded / conductor sizes	[mm ²]/[mm ²]/AWG 0.2 - 16 / 0.2 - 16 / 24 - 6
Stranded with ferrule without / with plastic sleeve	[mm ²] 0.25 - 10 / 0.25 - 10
Multiple connection (2 conductors with same cross section)	
Solid / stranded	[mm ²] —
Stranded with ferrule without plastic sleeve	[mm ²] —
Stranded with TWIN ferrule with plastic sleeve	[mm ²] —
Stripping length	[mm] 12
Internal cylindrical gauge (IEC 60 947-1)	—
Thread	A6/B6
Thread	—
Torque	[Nm] —
Insulating material	
Inflammability class in acc. with UL 94	PA
Approval data (UL/CUL and CSA)	
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG — CSA: [V]/[A]/AWG —

Type	Order No.	Pcs./Pkt.
ZFKDS 10-10,00	19 86 62 8	50
ZFKDSA 10-11,7	19 87 05 4	50
FL-ZFKDS 10	19 87 07 0	50
FBSK 2-10/ZFKDS 10	19 86 64 4	50
FBSK 3-10/ZFKDS 10	19 86 65 7	
FBSK 4-10/ZFKDS 10	19 86 66 0	
SZF 1-0,6 x 3,5	12 04 51 7	10
SZF 3-1,0 x 5,5	12 06 61 2	10
SK 10/5 (see COMBICON catalog)		
see description		
	I	
III / 3	III / 2	II / 2
320	400	800
4	4	4
	57 / 10	
	57 / 16	
	0.2 - 16 / 0.2 - 16 / 24 - 6	
	0.25 - 10 / 0.25 - 10	
	—	
	—	
	—	
	12	
	A6/B6	
	—	
	—	
	PA	
	V0	
	—	
	—	



PCB spring-cage terminal block
ZFKDS 10-15,00
15 mm Pitch



Description	
PCB spring-cage terminal block, color: green	
End terminal block, 16.7 mm wide, necessary at the end of a row of terminal blocks	
Pair of flanges, can be snapped on a row of single terminal blocks	
(1) Fixed bridge, fully insulated, pitch of 10 mm	2-pos.  3-pos.  4-pos. 
(2) Screwdriver, to release the spring-cage and the bridge with a 15 mm pitch	
(3) Marker card, with 12 pcs., 10-section marker strips, white self-adhesive, for 120 terminal blocks	
(4) Marker card, white, 10-section, divisible	
Technical data	
Dimensions	
Pitch	[mm] 15
Hole diameter	[mm] 2.2
Pin dimensions	[mm]x[mm] 1.2 x 1.4
Technical data in accordance with IEC/ DIN VDE	
Insulating material group	—
Surge voltage category / contamination class	—/—
Rated voltage	[V] 1000 ¹⁾
Rated surge voltage	[kV] 8
Nominal current / cross section	[A]/[mm ²] 57 / 10
Maximum load current / cross section	[A]/[mm ²] 57 / 16
Connection capacity	
Solid / stranded / conductor sizes	[mm ²]/[mm ²]/AWG 0.2 - 16 / 0.2 - 16 / 24 - 6
Stranded with ferrule without / with plastic sleeve	[mm ²] 0.25 - 10 / 0.25 - 10
Multiple connection (2 conductors with same cross section)	
Solid / stranded	[mm ²] —
Stranded with ferrule without plastic sleeve	[mm ²] —
Stranded with TWIN ferrule with plastic sleeve	[mm ²] —
Stripping length	[mm] 12
Internal cylindrical gauge (IEC 60 947-1)	—
Thread	A6/B6
Torque	—
Insulating material	—
Inflammability class in acc. with UL 94	PA V0
Approval data (UL/CUL and CSA)	
Nominal voltage / current / conductor sizes	UL/CUL: [V]/[A]/AWG — CSA: [V]/[A]/AWG —

Type	Order No.	Pcs./Pkt.
ZFKDS 10-15,00	19 86 63 1	50
ZFKDSA 10-16,7	19 87 06 7	50
FL-ZFKDS 10	19 87 07 0	50
FBSK 2-15/ZFKDS 10	19 86 69 9	50
FBSK 3-15/ZFKDS 10	19 86 68 6	
FBSK 4-15/ZFKDS 10	19 86 67 3	
SZF 3-1,0 x 5,5	12 06 61 2	10
SK 15/5 unbedruckt	08 11 19 2	10
ZBF 15: unbedruckt	08 11 20 2	10

see description

15

2.2

1.2 x 1.4

I

III / 3

III / 2

II / 2

1000¹⁾

1000

1000

8

8

8

57 / 10

57 / 16

0.2 - 16 / 0.2 - 16 / 24 - 6

0.25 - 10 / 0.25 - 10

—

—

—

12

A6/B6

—

—

PA

V0

—

—

¹⁾ When the insertion bridge is used, the voltage is reduced to 800 V.



Additional technical data

Voltage drop over two terminal points (DIN EN 60 947-7-1/2)
Rise in temperature (DIN EN 60 947-7-1/2)

Immunity to vibration (DIN EN 60 068-2-6:1996-05)

- Frequency
- Amplitude
- Acceleration
- Duration per axis

Resistance to industrial atmospheres (DIN 50 018:1997-06)

- Level
- No. of cycles

Assessment of fire risk

(DIN EN 60 695-2-11/VDE 0471 Part 2-11:2001-11)

- Test temperature
- Duration

≤ 3.2 mV
 ≤ 45 K

10-150 Hz
0.35 mm (10-60 Hz)
50 m/s²
2.5 h

KFW 1.0 S
2

960°C
30 s