



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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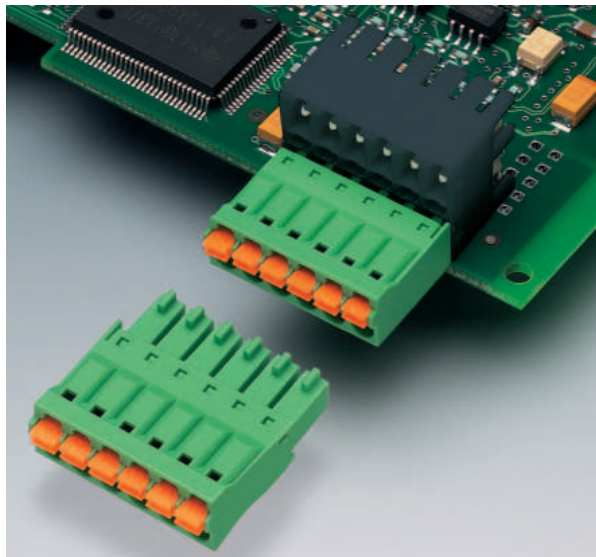
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Flat MINI COMBICON Spring Cage Plugs FMC 1,5/... without and with Self-Locking Flanges or Screw Flanges with a 3.5 mm Pitch

The slim FMC 1,5/... plugs allow the users to further miniaturize their modules, while at the same time increasing the packing density on the PCB. The compact spring cage plug with a pitch of 3.5 mm is a mere 7.5 mm tall. Despite this low constructional height, MINI COMBICON has the usual connection space for conductor cross sections up to 1.5 mm². The plugs are available with 2 to 20 positions, optionally also with lateral screw or self-locking flange.



COMBICON Select

The COMBICON search engine with CAD downloading



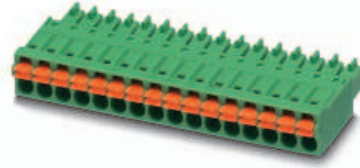
COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

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

<http://select.phoenixcontact.com>

FMC 1,5/...-ST-3,5

3.5 mm Pitch



Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

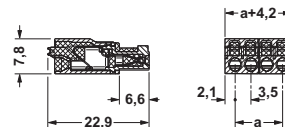
Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Plugs, 3.5 mm pitch, color: green,	2	3.5	FMC 1,5/2-ST-3,5	19 52 26 7	50
	3	7	FMC 1,5/3-ST-3,5	19 52 27 0	
	4	10.5	FMC 1,5/4-ST-3,5	19 52 28 3	
	5	14	FMC 1,5/5-ST-3,5	19 52 29 6	
	6	17.5	FMC 1,5/6-ST-3,5	19 52 30 6	
	7	21	FMC 1,5/7-ST-3,5	19 52 31 9	
	8	24.5	FMC 1,5/8-ST-3,5	19 52 32 2	
	9	28	FMC 1,5/9-ST-3,5	19 52 33 5	
	10	31.5	FMC 1,5/10-ST-3,5	19 52 34 8	
	11	35	FMC 1,5/11-ST-3,5	19 52 35 1	
	12	38.5	FMC 1,5/12-ST-3,5	19 52 36 4	
	13	42	FMC 1,5/13-ST-3,5	19 52 37 7	
	14	45.5	FMC 1,5/14-ST-3,5	19 52 38 0	
	15	49	FMC 1,5/15-ST-3,5	19 52 39 3	
	16	52.5	FMC 1,5/16-ST-3,5	19 52 40 3	
	17	56	FMC 1,5/17-ST-3,5	19 52 41 6	
	18	59.5	FMC 1,5/18-ST-3,5	19 52 42 9	
	19	63	FMC 1,5/19-ST-3,5	19 52 43 2	
	20	66.5	FMC 1,5/20-ST-3,5	19 52 44 5	

(1) **Marker card**, with 14 pcs.
10-section marker strips, white,
self-adhesive, for 140 terminal blocks

SK 3,5/2,8
(see COMBICON catalog)

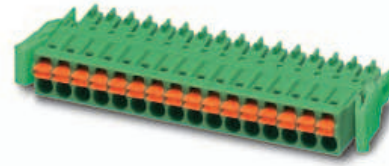
Technical data

Dimensions	see description		
Pitch	3.5		
Technical data in accordance with IEC/ DIN VDE			
Insulating material group	I		
Surge voltage category / contamination class	III / 3	III / 2	II / 2
Rated voltage	160	200	400
Rated surge voltage	2.5	2.5	2.5
Nominal current / cross section	6 / 1.5		
Maximum load current / cross section	6 / 1.5		
Connection capacity			
Solid / stranded / conductor sizes	0.2 - 1.5 / 0.2 - 1.5 / 24 - 16		
Stranded with ferrule without / with plastic sleeve	0.2 - 1.5 / 0.2 - 0.75		
Multiple connection (2 conductors with same cross section)			
Stranded with TWIN ferrule with plastic sleeve	—		
Stripping length	10		
Internal cylindrical gauge (IEC 60 947-1)	A 1		
Insulating material	PA		
Inflammability class in acc. with UL 94	V0		
Approval data (UL/CUL and CSA)			
Nominal voltage / current / conductor sizes	UL/CUL:[V]/[A]/AWG	applied for	
	CSA:[V]/[A]/AWG	—	



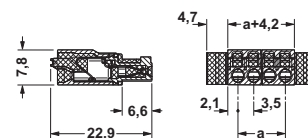
FMC 1,5/...-ST-3,5-RF

3.5 mm Pitch



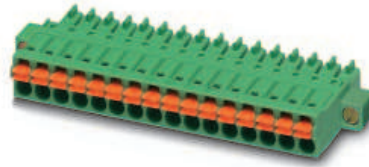
Note:
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Plugs with self-locking flange, 3.5 mm pitch, color: green,	2	3.5	FMC 1,5/2-ST-3,5-RF	19 52 02 1	50
	3	7	FMC 1,5/3-ST-3,5-RF	19 52 03 4	
	4	10.5	FMC 1,5/4-ST-3,5-RF	19 52 04 7	
	5	14	FMC 1,5/5-ST-3,5-RF	19 52 05 0	
	6	17.5	FMC 1,5/6-ST-3,5-RF	19 52 06 3	
	7	21	FMC 1,5/7-ST-3,5-RF	19 52 07 6	
	8	24.5	FMC 1,5/8-ST-3,5-RF	19 52 08 9	
	9	28	FMC 1,5/9-ST-3,5-RF	19 52 09 2	
	10	31.5	FMC 1,5/10-ST-3,5-RF	19 52 10 2	
	11	35	FMC 1,5/11-ST-3,5-RF	19 52 11 5	
	12	38.5	FMC 1,5/12-ST-3,5-RF	19 52 12 8	
	13	42	FMC 1,5/13-ST-3,5-RF	19 52 13 1	
	14	45.5	FMC 1,5/14-ST-3,5-RF	19 52 14 4	
	15	49	FMC 1,5/15-ST-3,5-RF	19 52 15 7	
	16	52.5	FMC 1,5/16-ST-3,5-RF	19 52 16 0	
	17	56	FMC 1,5/17-ST-3,5-RF	19 52 17 3	
	18	59.5	FMC 1,5/18-ST-3,5-RF	19 52 18 6	
	19	63	FMC 1,5/19-ST-3,5-RF	19 52 19 9	
	20	66.5	FMC 1,5/20-ST-3,5-RF	19 52 20 9	
	(1) Marker card , with 14 pcs. 10-section marker strips, white, self-adhesive, for 140 terminal blocks			SK 3,5/2,8 (see COMBICON catalog)	
Technical data			see description		
Dimensions			3.5		
Pitch [mm]			3.5		
Technical data in accordance					
Insulating material group			I		
Surge voltage category / contamination class			III / 3 III / 2 II / 2		
Rated voltage [V]			160 200 400		
Rated surge voltage [kV]			2.5 2.5 2.5		
Nominal current / cross section [A]/[mm ²]			6 / 1.5		
Maximum load current / cross section [A]/[mm ²]			6 / 1.5		
Connection capacity					
Solid / stranded / conductor sizes [mm ²]/[mm ²]/AWG			0.2 - 1.5 / 0.2 - 1.5 / 24 - 16		
Stranded with ferrule without / with plastic sleeve [mm ²]			0.2 - 1.5 / 0.2 - 0.75		
Multiple connection (2 conductors with same cross section)			—		
Stranded with TWIN ferrule with plastic sleeve [mm ²]			—		
Stripping length [mm]			10		
Internal cylindrical gauge (IEC 60 947-1)			A1		
Insulating material			PA		
Inflammability class in acc. with UL 94			V0		
Approval data (UL/CUL and CSA)					
Nominal voltage / current / conductor sizes UL/CUL:[V]/[A]/AWG			applied for		
CSA:[V]/[A]/AWG			—		



FMC 1,5/...-STF-3,5

3.5 mm Pitch



Note:
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

Description	No. of pos.	Dim. a [mm]	Type	Order No.	Pcs./Pkt.
Plugs with screw flange, 3.5 mm pitch, color: green,	2	3.5	FMC 1,5/2-STF-3,5	19 66 09 1	50
	3	7	FMC 1,5/3-STF-3,5	19 66 10 1	
	4	10.5	FMC 1,5/4-STF-3,5	19 66 11 4	
	5	14	FMC 1,5/5-STF-3,5	19 66 12 7	
	6	17.5	FMC 1,5/6-STF-3,5	19 66 13 0	
	7	21	FMC 1,5/7-STF-3,5	19 66 14 3	
	8	24.5	FMC 1,5/8-STF-3,5	19 66 15 6	
	9	28	FMC 1,5/9-STF-3,5	19 66 16 9	
	10	31.5	FMC 1,5/10-STF-3,5	19 66 17 2	
	11	35	FMC 1,5/11-STF-3,5	19 66 18 5	
	12	38.5	FMC 1,5/12-STF-3,5	19 66 19 8	
	13	42	FMC 1,5/13-STF-3,5	19 66 20 8	
	14	45.5	FMC 1,5/14-STF-3,5	19 66 21 1	
	15	49	FMC 1,5/15-STF-3,5	19 66 22 4	
	16	52.5	FMC 1,5/16-STF-3,5	19 66 23 7	
	17	56	FMC 1,5/17-STF-3,5	19 66 24 0	
	18	59.5	FMC 1,5/18-STF-3,5	19 66 25 3	
	19	63	FMC 1,5/19-STF-3,5	19 66 26 6	
	20	66.5	FMC 1,5/20-STF-3,5	19 66 27 9	

(1) **Marker card**, with 14 pcs.
10-section marker strips, white, self-adhesive, for 140 terminal blocks

Technical data

Dimensions				
Pitch		[mm]		
Technical data in accordance with IEC/ DIN VDE				
Insulating material group				—
Surge voltage category / contamination class				—/—
Rated voltage		[V]		160
Rated surge voltage		[kV]		2.5
Nominal current / cross section		[A]/[mm ²]		6 / 1.5
Maximum load current / cross section		[A]/[mm ²]		6 / 1.5
Connection capacity				
Solid / stranded / conductor sizes		[mm ²]/[mm ²]/AWG		0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
Stranded with ferrule without / with plastic sleeve		[mm ²]		0.2 - 1.5 / 0.2 - 0.75
Multiple connection (2 conductors with same cross section)				
Stranded with TWIN ferrule with plastic sleeve		[mm ²]		—
Stripping length		[mm]		10
Internal cylindrical gauge (IEC 60 947-1)				A1
Insulating material				PA
Inflammability class in acc. with UL 94				V0
Approval data (UL/CUL and CSA)				
Nominal voltage / current / conductor sizes		UL/CUL:[V]/[A]/AWG		applied for
		CSA:[V]/[A]/AWG		—

SK 3,5/2,8

(see COMBICON catalog)

see description

3.5

	I		
III / 3	III / 2	II / 2	
160	200	400	
2.5	2.5	2.5	
	6 / 1.5		
	6 / 1.5		

0.2 - 1.5 / 0.2 - 1.5 / 24 - 16
0.2 - 1.5 / 0.2 - 0.75

10

A1

PA

V0

applied for

