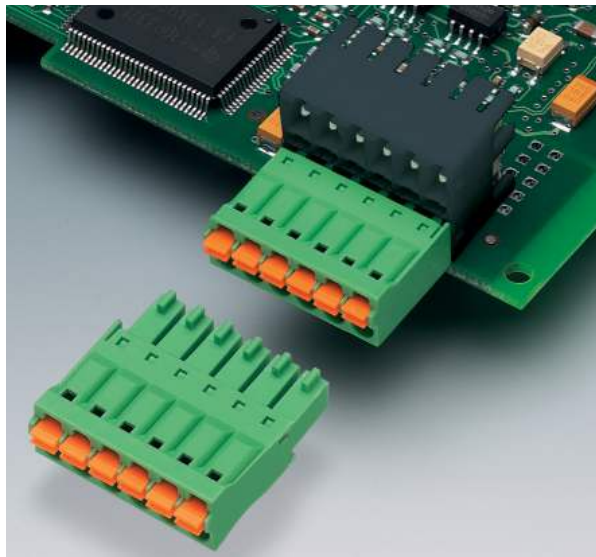


Flat MINI COMBICON Spring Cage Plugs FMC 1,5/... without and with Self-Locking Flanges or Screw Flanges with a 3.5 mm Pitch

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		
Pitch		[mm]
Technical data in accordance with IEC/ DIN VDE		
Insulating material group		—
Surge voltage category / contamination class		—/—
Rated voltage		[V]
Rated surge voltage		[kV]
Nominal current / cross section		[A]/[mm ²]
Maximum load current / cross section		[A]/[mm ²]
Connection capacity		
Solid / stranded / conductor sizes		[mm ²]/[mm ²]/AWG
Stranded with ferrule without / with plastic sleeve		[mm ²]
Multiple connection (2 conductors with same cross section)		
Stranded with TWIN ferrule with plastic sleeve		[mm ²]
Stripping length		[mm]
Internal cylindrical gauge (IEC 60 947-1)		—
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

see description
3.5

	I	II / 2
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
A 1
PA
V0

applied for



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 CSA:[V]/[A]/AWG			applied for		
			—		



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			SK 3,5/2,8 (see COMBICON catalog)	
Technical data					
Dimensions			see description		
Pitch		[mm]	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		[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 CSA:[V]/[A]/AWG	applied for		
			—		

