

FMC Series

SAT-IF cascadable multiswitches.
4, 8 & 16 SAT inputs + 1 Terrestrial input.

APPLICATION

For the distribution of satellite TV signal up to 16 polarities. Each user receives both satellite and terrestrial signal by only one coaxial cable and any satellite polarisation can be selected from each user's receiver.

CHARACTERISTICS

- Low cascading loss at high subscriber extensions.
- Cascade distribution of 4, 8 and 16 satellite polarizations.
- Input for terrestrial signal, compatible with terrestrial digital broadcast (DVB-T).
- Control by voltage/tone from the user's receiver. Satellite selection through DiSEqC 2.0.-2.1.
- The high selectivity of the input filters guarantees the maximum quality of the signal.
- Terminal multiswitches and amplifiers: power supply included.
- LNB Quattro & LNB Quad compatible.



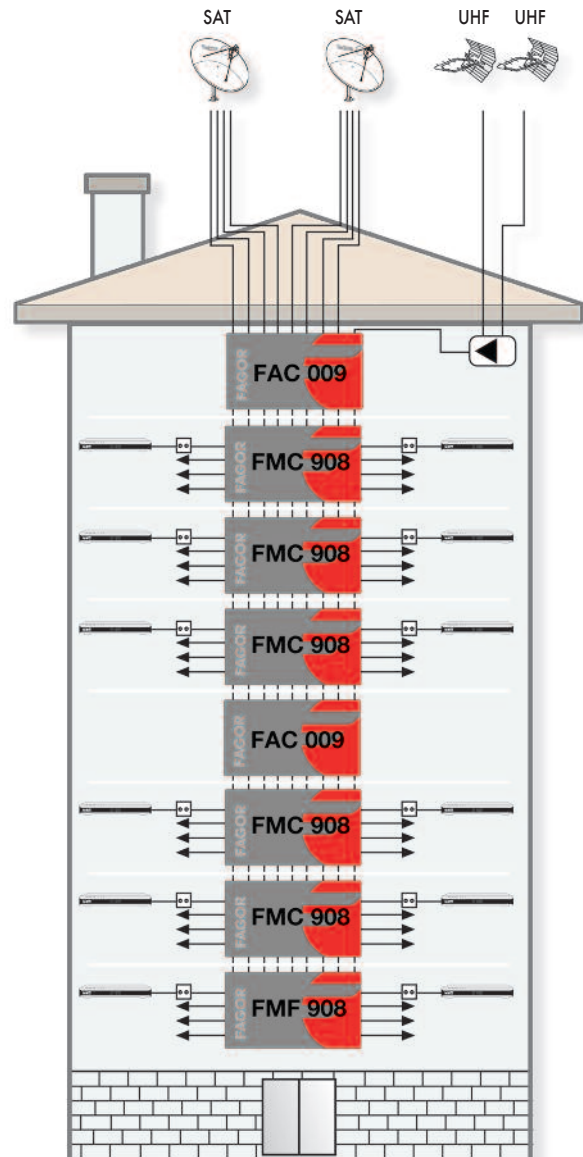
HEADENDS

POWER SUPPLY WITH EUROPEAN PLUG



MODEL	SPS 1825
Referencia	86430
Output voltage	18 Vcc 2.5A
Input voltage	Vac 80-260

8 POLARITIES/ 48 SUBSCRIBERS



FMC Series

5 INPUT CASCADABLE SYSTEM

CASCADABLE MULTISWITCHES

MODEL			FMC 508	FMC 512	FMC 516	FMC 524	FMC 532
Reference			86432	86433	86434	86445	86446
Inputs			4 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3
Cascade gain	TERR SAT	dB	-3 -1	-3 -1,5	-4 -2	-4 -2	-4 -2
Isolation	SAT-SAT	dB	>30	>35	>35	>35	>35
	SAT-TERR		>40	>40	>40	>40	>40
	OUT-OUT		>35	>35	>35	>35	>35
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			13Vdc / 18Vdc • 0 / 22 KHz				
Max. current consumption (without LNB)			240				
Operating temperature range			-10 to 40				
Packing dimensions			220 x 250 x 50			220 x 500 x 50	
Weight			0,55	0,6	0,75	1,15	1,3

TERMINAL MULTISWITCHES

MODEL			FMF 508	FMF 512	FMF 516	FMF 524	FMF 532
Reference			86460	86461	86462	86463	86464
Inputs			4 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3	-5 ± 2 +6 ± 3
Isolation	SAT-SAT	dB	>30	>35	>35	>35	>35
	SAT-TERR		>40	>40	>40	>40	>40
	OUT-OUT		>35	>35	>35	>35	>35
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			13Vdc / 18Vdc • 0 / 22 KHz				
Max. current consumption (without LNB)			240				
Power supply			195-265Vac/18Vdc/2500mA				
Operating temperature range			-10 to 40				
Packing dimensions			220 x 250 x 50			220 x 500 x 50	
Weight			0,55	0,55	0,6	1,15	1,3

MODELO	HEADEND AMPLIFIER		SPLITTER		TAP-OFFS	
	FAC 005	FSP 005	FSP 005	FTP 505	FTP 510	FTP 510
Reference		86442	86451	86452	86453	86453
Inputs		4 SAT + 1 TERR				
Outputs		4 SAT + 1 TERR	2x5 (4 +1)	5 (4+1) + 5 (4+1)	5 (4+1) + 2x5 (4+1)	5 (4+1) + 2x5 (4+1)
Frequency Range	TERR SAT	MHz	47-870 950-2150			
Tap gain/loss	TERR SAT	dB	— —	— —	-12 -12	-12 -12
Cascade gain	TERR SAT	dB	-1 ± 1 22±1 (4dB tilt)	-3 -1,5	-4 -2	-4 -2
Gain regulation	TERR SAT	dB	20 20	— —	— —	— —
Isolation	SAT-SAT	dB	>33	>35	>35	>35
	SAT-TERR		>50	>35	>35	>35
	OUT-OUT		—	>20	>30	>30
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	120 110	— —	— —	— —
Max. current consumption (without LNB)		mA	150	—	—	—
Power supply			18V 2.5A	—	—	—
Operating temperature range		°C	-10 to 40			
Packing dimensions		mm	220 x 250 x 50			
Weight		Kg	0,97	0,25	0,25	0,28

FMC Series

9 INPUT CASCADABLE SYSTEM

CASCADABLE MULTISWITCHES

MODEL			FMC 908	FMC 912	FMC 916	FMC 924	FMC932
Reference			86436	86437	86438	86447	86448
Inputs			8 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 4	-5 ± 2 +6 ± 4	-5 ± 2 +4 ± 4	-5 ± 2 +4 ± 4	-5 ± 2 +4 ± 4
Cascade gain	TERR SAT	dB	-3 -1,5	-3 -2	-4 -3	-3 -2	-4 -3
Isolation	SAT-SAT SAT-TERR OUT-OUT	dB	>37 >35 >35	>36 >37 >35	>38 >35 >35	>36 >47 >35	>38 >35 >35
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			DiSEqC 2.0-2.1				
Max. current consumption (without LNB)			200			300	
Operating temperature range			- 10 to 40				
Packing dimensions			235 x 315 x 50			235 x 630 x 50	
Weight			0,52	0,65	0,77	1,12	1,37

TERMINAL MULTISWITCHES

MODEL			FMF 908	FMF 912	FMF 916	FMF 924	FMF 932
Reference			86465	86466	86467	86468	86469
Inputs			8 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 4	-5 ± 2 +6 ± 4	-5 ± 2 +4 ± 4	-5 ± 2 +4 ± 4	-5 ± 2 +4 ± 4
Isolation	SAT-SAT SAT-TERR OUT-OUT	dB	>37 >35 >35	>36 >37 >35	>38 >35 >35	>36 >37 >35	>38 >35 >35
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			DiSEqC 2.0-2.1				
Max. current consumption (without LNB)			200			300	
Power supply			195-265Vac/18Vdc/2500mA				
Operating temperature range			- 10 to 40				
Packing dimensions			235 x 315 x 50			235 x 630 x 50	
Weight			0,52	0,65	0,77	1,12	1,37

MODEL			HEADEND AMPLIFIER	SPLITTER	TAP-OFFS	
			FAC 009	FSP 009	FTP 909	FTP 918
Reference			86443	86451	86455	86456
Inputs			8 SAT + 1 TERR			
Outputs			8 SAT + 1 TERR	2x9 (8 +1)	8 (8+1) + 9 (8+1)	9 (8+1) + 2x9 (8+1)
Frequency Range	TERR SAT	MHz	47-870 950-2150			
Tap gain/loss	TERR SAT	dB	— —	— —	- 12 - 12	- 12 - 12
Cascade gain	TERR SAT	dB	- 1 ± 1 22±1 (4dB tilt)	- 4 - 4	- 1,5 - 0,5	- 2 - 1
Gain regulation	TERR SAT	dB	20 20	— —	— —	— —
Isolation	SAT-SAT SAT-TERR OUT-OUT	dB	>33 >50 —	>35 >35 >20	>35 >35 >30	>35 >35 >30
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	120 110	— —	— —	— —
Max. current consumption (without LNB)			300	—	—	—
Power supply			18V 2,5A	—	—	—
Operating temperature range			- 10 to 40			
Packing dimensions			235 x 315 x 50			
Weight			1,21	0,4	0,4	0,4

FMC Series

17 INPUT CASCADABLE SYSTEM

CASCADABLE MULTISWITCHES

MODEL			FMC 1708	FMC 1712	FMC 1716	FMC 1724	FMC 1732
Reference			86439	86440	86441	86449	86450
Inputs			16 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4
Cascade gain	TERR SAT	dB	-3 -1,5	-3 -2	-4 -2,5	-3 -2	-4 -2,5
Isolation	SAT-SAT	dB	>35	>33	>32	>33	>32
	SAT-TERR		>40	>40	>40	>40	>40
	OUT-OUT		>33	>36	>36	>36	>36
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			DiSEqC 2.0-2.1				
Max. current consumption (without LNB)			200			300	
Operating temperature range			- 10 to 40				
Packing dimensions			300 x 415 x 50			600 x 415 x 50	
Weight			0,55	1,21	1,51	2,15	2,67

TERMINAL MULTISWITCHES

MODEL			FMF 1708	FMF 1712	FMF 1716	FMF 1724	FMF 1732
Reference			86470	86471	86472	86473	86474
Inputs			16 SAT + 1 TERR				
Subscriber outputs			8	12	16	24	32
Frequency Range	TERR SAT	MHz	47-870 950-2150				
Tap gain/loss	TERR SAT	dB	-3 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4	-5 ± 2 +5 ± 4
Isolation	SAT-SAT	dB	>37	>33	>32	>33	>32
	SAT-TERR		>35	>40	>40	>40	>40
	OUT-OUT		>35	>36	>36	>36	>36
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	90 102				
Sat. and polarity selection			DiSEqC 2.0-2.1				
Max. current consumption (without LNB)			200			300	
Power supply			195-265Vac/18Vdc/2500mA				
Operating temperature range			- 10 to 40				
Packing dimensions			300 x 415 x 50			600 x 415 x 50	
Weight			0,97	1,21	1,51	2,15	2,67

MODEL	HEADEND AMPLIFIER		SPLITTER		TAP-OFFS	
	FAC 017	FSP 005	FTP 1717	FTP 1734		
Reference						
Reference			86444	86457	86458	86459
Inputs						
16 SAT + 1 TERR						
Outputs						
16 SAT + 1 TERR			2x17		17 + 17	
17+ 2x17						
Frequency Range	TERR SAT	MHz	47-870 950-2150			
Tap gain/loss	TERR SAT	dB	—	—	-12 -12	-12 -12
Cascade gain	TERR SAT	dB	-1 ± 1 22±1 (4dB tilt)	-4 -4	-1,5 -0,5	-2 -1
Gain regulation	TERR SAT	dB	20 20	—	—	—
Isolation	SAT-SAT	dB	>33	>35	>35	>35
	SAT-TERR		>50	>35	>35	>35
	OUT-OUT		—	>20	>30	>30
Max. output level (Ter.-60 dBIM3, SAT -35dB IM3)	TERR SAT	dBμV	120 110	— —	— —	— —
Max. current consumption (without LNB)			510			
Power supply			18V 2.5A			
Operating temperature range			- 10 to 40			
Packing dimensions			150 x 500 x 50			
Weight			1,51	0,6	0,6	0,6