

Premium Class

Compact Multiswitch with active terrestrial, 5 in 6, 8, 12, 16 and 24

SAT IF



LNB supply voltage



Selectable for Quattro or QUAD LNB.
12 V = Quattro LNB,
22 kHz = QUAD LNB.

Level adjuster terrestrial



-12 dB Terr.

This adjuster allows the reduction of the terrestrial signal.

Synchronous level adjuster



-12 dB

For Low- and High-Band.

SMS 5603 NF, SMS 5803 NF SMS 51203 NF, SMS 51603 NF, SMS 52403 NF

For 6, 8, 12, 16 or 24 subscribers.

SAT IF:

- The new SAT IF amplifiers assure high output levels. Depending on the unit the max. output level according to EN 60728-3 differs between 102 and 108 dB μ V.
- Synchronous level adjuster for Low- and High-Band (0... -12dB).
- The multiswitch supports standby mode. Both the SAT IF amplifier, as well as the remote power supply of the LNB is only active if at least one receiver provides a supply voltage to its multiswitch outlet.
- The SAT IF amplifiers have a slope correction of 6 dB.
- LNB supply voltage selectable for Quattro or QUAD LNB.

Terrestrial:

- Based on a new terrestrial concept the Premium Class multiswitches are coming with a passive return path for interactive applications (Triple Play).
- Active CATV compatible forward path including InGaP Push-Pull output stage.
- By using sharp cut-off input filter a perfect selection performance is reached: Terrestrial/SAT > 40 dB and SAT/terrestrial > 45 dB.
- The high receiver/receiver isolation is reached by using the latest directional coupler technology > 36dB/VHF and > 32 dB/UHF.
- Level adjuster (0... -12 dB) for the terrestrial forward path.

Miscellaneous:

- Ground clamp.
- The devices are equipped with an energy-saving switched-mode power supply.

Model Art. No.		SMS 5603 NF 842479	SMS 5803 NF 842480	SMS 51203 NF 842481	SMS 51603 NF 842482	SMS 52403 NF 842489
EAN		4040326423790	4040326424803	4040326424810	4040326424827	4040326424896
Inputs SAT/terrestrial		5 4/1				
Subscriber outputs		6	8	12	16	24
Tap loss Terr. passive 5...65 MHz		16...19 dB	16...19 dB	18...22 dB	21...23 dB	26...28 dB
Tap gain Terr. active 85...862 MHz		10...12 dB	10...12 dB	9...11 dB	8...10 dB	4...6 dB
Tap gain SAT IF 950...2200 MHz		5...11 dB	6...12 dB	4...10 dB	3...9 dB	0...6 dB
Output level max. 85...862 MHz 60 dB IMA ₃ /EN 60728-3		93 dBμV	93 dBμV	90 dBμV	88 dBμV	84 dBμV
Output level max. 950...2200 MHz 35 dB IMA ₃ /EN 60728-3		108 dBμV	108 dBμV	106 dBμV	105 dBμV	102 dBμV
Selection	SAT/terrestrial	> 45 dB				
	Terrestrial/SAT	> 40 dB				
Rejection	Switching isolation	> 35 dB				
	Receiver/receiver	> 36 dB/VHF, > 32 dB/UHF, > 35 dB/SAT				
Mains power supply U~		100...240V/47-63 Hz				
Power consumption Terrestrial active/SAT active + LNB		< 10 W				
Power consumption SAT standby		< 5 W				
Current consumption LNB max.		500 mA				
Current consumption from each receiver		55 mA				
Ambient temperature		-20...+50 °C				
Dimensions (mm)		240 x 130 x 56	260 x 130 x 56	300 x 130 x 56	340 x 130 x 56	420 x 130 x 56

