

## Premium-Class

### Compact Multiswitch with active terrestrial, 5 in 6, 8, 12, 16, 20, 24

SMS 5603 NF, SMS 5803 NF, SMS 51203 NF, SMS 51603 NF, SMS 52003 NF, SMS 52403 NF



For 6, 8, 12, 16, 20 or 24 subscribers.

#### Features:

- Integrated energy saving switch-mode power supply; short circuit proof
- Standby function
- Ground clamp

#### 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 will be reached:  
Terrestrial/SAT > 40 dB and SAT/Terrestrial > 45 dB !
- The high Receiver/Receiver Isolation will be reached by using the latest directional coupler technology > 36dB/VHF and > 32 dB/UHF
- Level Adjuster (0...-12dB) for the terrestrial forward path

#### 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 $\mu$ V.
- Synchronous Level Adjuster for Low- and High Band (0...-12dB)
- This multiswitch series has an integrated standby functionality. If all connected receivers are switched off, the LNB supply voltage and the  $U_B$  of the SAT IF amplifiers will also be switched off
- The SAT IF amplifiers have a slope correction of 6dB
- LNB supply voltage selectable for Quattro- or QUAD-LNB



LNB supply voltage selectable for Quattro- or QUAD-LNB



This adjuster allows the reduction of the terrestrial signal



Synchronous Level Adjuster for Low- and High Band

Model Art. No.	SMS 5603 NF 842479	SMS 5803 NF 842480	SMS 51203 NF 842481	SMS 51603 NF 842482	SMS 52003 NF 842483	SMS 52403 NF 842489
EAN	4040326423790	4040326424803	4040326424810	4040326424827	4040326424834	4040326424896
Inputs SAT / Terrestrial	5 4 / 1					
Outputs / subscribers	6	8	12	16	20	24
Tap loss Terr. passiv: 5 ... 65 MHz	16 ... 19 dB	16 ... 19 dB	18 ... 22 dB	21 ... 23 dB	22 ... 24 dB	26 ... 28 dB
Tap gain Terr. aktiv: 85 ... 862 MHz	10 ... 12 dB	10 ... 12 dB	9 ... 11 dB	8 ... 10 dB	6 ... 8 dB	4 ... 6 dB
Tap gain SAT IF: 950 ... 2200 MHz	5 ... 11 dB	6 ... 12 dB	4 ... 10 dB	3 ... 9 dB	0 ... 5 dB	0 ... 6 dB
Output level max. 85 ... 862 MHz 60 dB IMA <sub>3</sub> / EN 60728-3	93 dB $\mu$ V	93 dB $\mu$ V	90 dB $\mu$ V	88 dB $\mu$ V	86 dB $\mu$ V	84 dB $\mu$ V
Output level max. 950 ... 2200 MHz 35 dB IMA <sub>3</sub> / EN 60728-3	108 dB $\mu$ V	108 dB $\mu$ V	106 dB $\mu$ V	105 dB $\mu$ V	104 dB $\mu$ V	102 dB $\mu$ V
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 V~	100 ... 240 V / 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	380 x 130 x 56	420 x 130 x 56