

## SAT IF distribution system

### 5 cable dSCR system

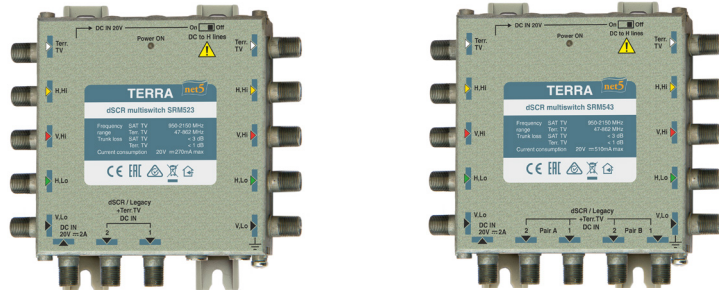
# Cascadable single cable multiswitches

Cascadable single cable multiswitches for the distribution of SAT IF and DTT signals over one cable to up to 32 receivers per pair outputs.

- quatro LNB IF range
- control according legacy/EN50494/EN50607
- dSCR/Legacy mode automatic selection
- configurable with programmer PC102W
- DC input for external power supply
- current pass to H trunk lines, switchable
- active terrestrial TV path
- powering status LED indication
- robust die-cast housing
- connectors:  
RF inputs/outputs - type F  
DC input - type F

**SRM523**  
active DTT path, two dSCR outputs

**SRM543**  
active DTT path, four dSCR outputs



#### Technical specifications

T Y P E		SRM523	SRM543
Ordering number		02792	02793
Frequency range	SAT IF	950-2150 MHz	
	Terr. TV	47-862 MHz	
Number of trunk inputs & outputs	SAT IF	4	
	Terr. TV	1	
Number of tap outputs		2 (1 pair)	4 (2 pairs)
Trunk output loss	SAT IF	< 3.0 dB	
	Terr. TV	< 1.0 dB	
Return loss / impedance		> 10 dB / 75 Ω	
Input level per channel	SAT IF	60-95 dBμV	
	Terr. TV	IMD3=60 dB 96 dBμV max.	
Terr. TV noise figure		6 dB	
Tap output with combined DTT	user bands (dSCR mode)	32 max. per pair outputs, configurable	
	user band bandwidth (dSCR mode)	20-60 MHz configurable	
	dSCR mode output level, AGC controlled	84 dBμV configurable	
	legacy mode output level, typical	78 dBμV	
Terr. TV gain		8 dB	4 dB
	Terr. TV output level	IMD3=60 dB 104 dBμV max.	IMD3=60 dB 100 dBμV max.
Decoupling	SAT IF inputs/SAT IF inputs	> 30 dB	
	SAT IF inputs/Tap outputs	> 30 dB	
	SAT IF / Terr. TV	> 25 dB	
DC pass through trunk lines	SAT IF	2 A max., 1 A max. through one line	
	Terr. TV	250 mA max.	
Current consumption	from DC input*, H trunk lines	20 V 270 mA max.	20 V 510 mA max.
	from STB	13 V 410 mA max.	
Current pass from DC input to H trunk lines, switch.		20 V 1.73 A max.	20 V 1.49 A max.
Operating temperature range		-20° ÷ + 50° C	
Dimensions/Weight (packed)		134x135x30 mm/0.42 kg	134x135x30 mm/0.44 kg

\* without external DC feeding