## Data sheet





### dCSS multiswitch

4 dCSS/Legacy TV-SAT tap outputs

# art. 15-754 MSW54W dCSS







Wide

band

Legacy

Equipped with four dCSS/Legacy outputs. If they are used in dCSS mode, each of them allows to distribute a potentially unlimited number of transponders up to 16 users, independent of each other.

The terrestrial signal is in passive mixing to avoid any problem caused by intermodulation.

It allows the reception of digital signals of a satellite, with mixed TV signals.

For the supply of the multiswitch and the LNB you need a power supply unit (cod. 15-710 ALIM 3,25 A) you can connect to the V/L trunk connectors using a DC inserter (cod. 15-712 INSERITORE CC dCSS).

Compatible with all Legacy decoders and decoders which support SCR/Sky standard (see dCSS frequency configuration).

Usable in combination with LNB H-V-H-V or with LNB Wideband.

Equipped with a specific selector, placed on multiswitch front panel, to set either quattro (H-V-H-V) or wideband mode.

Realized into fully shielded die cast metal housing with F connectors. Install the unit in a well aery location and keep a minimum distance of 15 cm around the apparatus for sufficient ventilation.

#### Characteristics

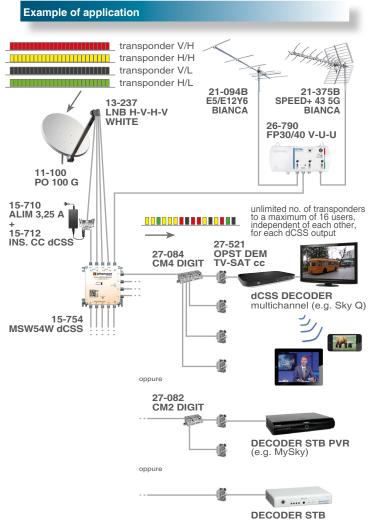
- High density digital channels
- With AGC (automatic gain control)
- Quattro (H-V-H-V) or wideband mode selector
- Legacy or SCR/dCSS mode automatic selection
  - Terrestrial signal in passive mixing
- High isolation between inputs and outputs

Code		15-754	
Item		MSW54W dCSS	
No. of SAT inputs		4	
No. of TV inputs		1	
No. of SAT outputs		4	
No. of TV outputs		1	
No. of TV-SAT dCSS/Legacy taps		4	
SAT tap gain		AGC controlled	
TV tap gain	dB	-19	
SAT Loopthrough Loss	dB	2 typ. 3 max	
TV Loopthrough Loss	dB	1,5 typ. 2 max	
Return Loss	dB	-10 max	
SAT tap level (with AGC)	dΒμV	88 typ.	
Power supply voltage	Vdc	13÷20	
Max current consumption @13V	mA	600	
Max power consumption	W	10	
Power to trunk		no	
Max supply current to LNB @20V	Α	3	
SAT frequencies	MHz	290÷2340	
TV frequencies	MHz	88÷862	
dCSS channel bandwidth	MHz	46	
Max SAT input level	dΒμV	100	
Min SAT input level	dΒμV	62 (HVHV) / 67 (wideband	
Inputs isolation	dB	>30	
Outputs isolation	dB	>20	
Legacy commutation control		13÷18V 0÷22KHz	
dCSS commutation control		DiSEqC 1.0/DiSEqC 2.0	
Connectors		screw F-type	
Dimensions (LxWxH)	mm	117x39x124	
Packaging dimensions (LxWxH)	mm	165x140x40	
Packaging weight	Kg	0,348	
Fit temperature	°C	- 20 ÷ + 50	

#### dCSS frequency configuration

Channel	Freq. (MHz)	Standard
Ch. 1	1210	EN50494
Ch. 2	1420	EN50494
Ch. 3	1680	EN50494
Ch. 4	2040	EN50494
Ch. 5	985	EN50607
Ch. 6	1050	EN50607
Ch. 7	1115	EN50607
Ch. 8	1275	EN50607

Channel	Freq. (MHz)	Standard
Ch. 9	1340	EN50607
Ch. 10	1485	EN50607
Ch. 11	1550	EN50607
Ch. 12	1615	EN50607
Ch. 13	1745	EN50607
Ch. 14	1810	EN50607
Ch. 15	1875	EN50607
Ch. 16	1940	EN50607



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