



## dCSS multiswitch

### 4 dCSS/Legacy TV-SAT tap outputs

# art. 15-754

# MSW54W dCSS



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

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.

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)	dBμV 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	A 3
SAT frequencies	MHz 290÷2340
TV frequencies	MHz 88÷862
dCSS channel bandwidth	MHz 46
Max SAT input level	dBμV 100
Min SAT input level	dBμV 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

### Example of application

