



dCSS multiswitch 4 dCSS/Legacy TV-SAT tap outputs art. 15-743 MSW54 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 a reserved F connector or to one of SAT 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).

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)
- High isolation between inputs and outputs

- Legacy or SCR/dCSS mode automatic selection
- F connector to connect power supply unit
- Terrestrial signal in passive mixing

Code Item	15-743 MSW54 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 Loophthrough Loss	dB 1,5 typ. 2,5 max
TV Loophthrough Loss	dB 3 typ. 5 max
Return Loss	dB -8 max
SAT tap level (with AGC)	dBμV 85 min 87 typ.
Power supply voltage	Vdc 10÷20
Max power consumption	W 5 (per pair of ports)
Power to trunk	no
Max supply current to LNB @20V	mA 500
SAT frequencies	MHz 950÷2150
TV frequencies	MHz 88÷790
dCSS channel bandwidth	MHz 46
Max SAT input level	dBμV 90
Min SAT input level	dBμV 60
Inputs isolation	dB >25
Outputs isolation	dB >25
Legacy commutation control	13÷18V 0÷22KHz
dCSS commutation control	DiSEqC 1.0/DiSEqC 2.0
Connectors	screw F-type
Dimensions (LxWxH)	mm 223x50x143
Packaging dimensions (LxWxH)	mm 293x160x55
Packaging weight	Kg 0,66
Fit temperature	°C - 20 ÷ + 50
Compliant to	EN 50083-2, EN 60065

dCSS frequency configuration

Channel	Freq. (MHz)	Standard	Channel	Freq. (MHz)	Standard
Ch. 1	1210	EN50494	Ch. 9	1340	EN50607
Ch. 2	1420	EN50494	Ch. 10	1485	EN50607
Ch. 3	1680	EN50494	Ch. 11	1550	EN50607
Ch. 4	2040	EN50494	Ch. 12	1615	EN50607
Ch. 5	985	EN50607	Ch. 13	1745	EN50607
Ch. 6	1050	EN50607	Ch. 14	1810	EN50607
Ch. 7	1115	EN50607	Ch. 15	1875	EN50607
Ch. 8	1275	EN50607	Ch. 16	1940	EN50607

Example of application

