

# Multiswitch DR 13xx



Product information



## **Multiswitch DR 13xx**

This product line with 12 + 1 inputs for 3 satellites and 8, 12, 16, and 24 outputs has been designed as a cost efficient cascable multiswitch family with external power supplies to build IF-networks for up to more than 1000 subscriber. It is also a related amplifier DR 1313 available as well as the external power supplies.

### **Features:**

- Cascadable multiswitches with 12 satellite and 1 terrestrial input
- Return path capability
- High sat signal level at active subscriber outputs
- High isolation
- Integrated DC-port to connect an external power supply
- The multiswitch is power fed by the receiver

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# Multiswitch DR 13xx



Type		DR 1308	DR 1312	DR 1316
No. of inputs	IF	12 (F)	12 (F)	12 (F)
	Terr.	1 (F)	1 (F)	1 (F)
Cascade outputs	IF	12 (F)	12 (F)	12 (F)
	Terr.	1 (F)	1 (F)	1 (F)
Subscriber outputs		8 (F)	12 (F)	16 (F)
Selection LNB		14.5 – 15.5 V DC, 22 kHz +/-4 kHz; DiSEqC 2.0		
Frequency range	IF	950 – 2150 MHz		
	Terr. Downlink	5 – 862 MHz		
	Terr. Uplink	5 – 65 MHz		
Through loss subscriber outputs	IF@950MHz	-4 dB	-5 dB	-6 dB
	IF@2150MHz	-4 dB	-5 dB	-6 dB
	Terr. out 1-4	-16...-20 dB	-19...-23 dB	-19...-23 dB
	Terr. out 5-6/5-8	-16...-19 dB	-19...-23 dB	-19...-23 dB
	Terr. out 9-12		-19...-23 dB	-19...-23 dB
	Terr. out 13-16			-19...-23 dB
		(typical values within a tolerance of +/-1.5dB)		
Through loss cascade trunk	IF	-2 dB+/-1 dB	-3 dB+/-1 dB	-3 dB+/-1 dB
	Terr.	-3.5 dB	-3.5 dB	-4 dB
Max. input level	IF	95 dB $\mu$ V		
	Terr.	110 dB $\mu$ V		
Max. output level (EN50083-3)	IF	94 dB $\mu$ V		
	Terr.	92 dB $\mu$ V		
Return loss inputs/ outputs		>8 db (typ. 10 dB)		
Isolation	IF/IF	>30 dB		
	IF/Terr.	>35 dB		
EMC		Compliant to EN50083-2		
Max. current from receiver		50 mA		
DC-port for external power supply		Yes		
Operating temperature		-20 °C...+60 °C (Indoor use only!)		
Dimensions in mm		340x105x40	340x215x40	340x215x40

## Accessories:

DR 1600	Power supply 1.6 A
DR 3000	Power supply 3.0 A
DR 1313	SAT/TERR amplifier



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