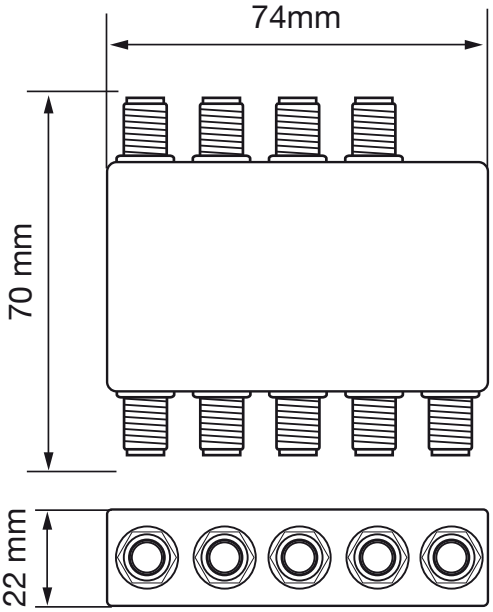
AMF ELECTRONICS

SCR416

Cascadable SCR/dCSS Multiswitch
I° IF-SAT with 4 cables

- **1 x 16 User Band**
- **Automatic Control Gain**
- **LNB powering from multiswitch**



General rules

To avoid interference use one taps for each living unit.
Use only splitters and sockets which allow the power to run through diodes.
All multiswitch from the **SCR416** series may be equally used in new and already existing installations.

Technical Instructions

Electrical and electronic equipments **are not household waste**. In accordance with the European directive EN50419 (corresponding to the article 11(2) of the guideline 2002/96/EC) of the European Parliament of the Council of January, 27th 2003 on used electrical and electronic equipment, it must be disposed properly. At the end of the product life cycle please take this unit and dispose it on designated public collection points.

Installation is only permitted in dry rooms and upon a non combustible surface. Ensure that there is an adequate air circulation.

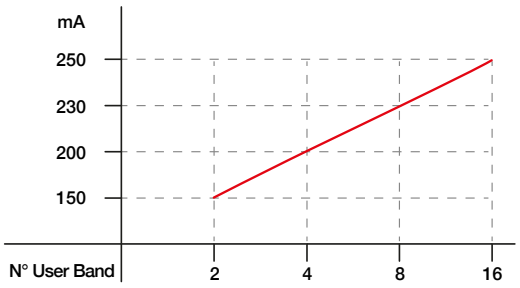
EMC requirements in accordance to the EU product norm EN 50083-2 and the keeping of the safety requirements in accordance to the EU product norm EN 60728-11 by the CE sign.

Class A This product meets the more stringent screening requirements according to EN 50083-2, quality grade A.

Technical Specifications

4 CABLES 1 TAP		SCR416
TYPE		Cascadable
IF-SAT FREQUENCY RANGE	MHz	950... 2150
INPUT/OUTPUT		5 / 5
No TAPS		1
TAPS OUTPUT FREQUENCY RANGE	MHz	950... 2150 MHz
IF-SAT INPUT LEVEL	dBµV	60... 100
A.C.G. IF-SAT RANGE	dBµV	60... 90
TAP SCR LEVEL	dBµV	85
IF-SAT THROUGH LOSS	dB	≤ 1
SUPPORTED STANDARDS		SKY UK - EN50494 - EN50607 DiSEqC 1.0 DiSEqC 2.0 Univ. LNB Voltage & Tone
SCR/dCSS BANDWIDTH	MHz	46
SCR/dCSS USER BAND x TAP		16
CROSS-POL. ISOLATION	dB	> 30
IN/OUT ISOLATION	dB	> 30
PHASE NOISE	dBc/Hz	-90 @ DELTA F=1KHz
RETURN LOSS	dB	> 12
LNB POWER LINE		Vertical Low Band
MAX LNB POWER	mA	1000
MAX CURRENT MSW DRAIN @ 13V	mA	310
DIMENSIONS	mm	70x70x22

Power Consumption



The consumption of the SCR416 depends on the status mode (Legacy or SCR/dCSS). The consumption in SCR/dCSS mode increases progressively with the number of active User Band.

Voltage	Legacy	2 U.B.	4 U.B.	8 U.B.	16 UB.
13 Volt	190 mA	210 mA	280 mA	290 mA	310 mA
18 Volt	150 mA	160 mA	200 mA	210 mA	230 mA

SCR416/2 User Band / Frequency plan

EN 50494 (SCR Standard)	EN 50607 (SCD2)
UB1: 1210 MHz	UB1: 1210 MHz
UB2: 1420 MHz	UB2: 1420 MHz
UB3: 1680 MHz	UB3: 1680 MHz
UB4: 2040 MHz	UB4: 2040 MHz
UB5: 985 MHz	UB5: 985 MHz
UB6: 1050 MHz	UB6: 1050 MHz
UB7: 1115 MHz	UB7: 1115 MHz
UB8: 1275 MHz	UB8: 1275 MHz
	UB9: 1340 MHz
	UB10: 1485 MHz
	UB11: 1550 MHz
	UB12: 1615 MHz
	UB13: 1745 MHz
	UB14: 1810 MHz
	UB15: 1875 MHz
	UB16: 1940 MHz

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