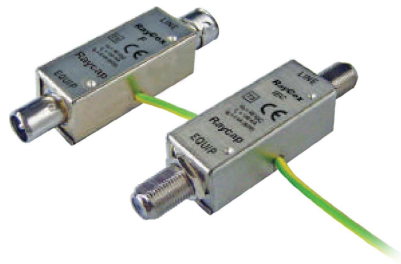


Coaxial SPD for TV & Cable TV

RayCox IEC 48, F 48

C1 • C2 • C3

ZV1, ZV1-F



IEC/EN Category: C1/C2/C3
 Protection: Impedance Matched
 Voltages: 148VDC
 Maximum Operating Voltage: 60VDC
 Frequency Range: 40–860MHz
 Surge Discharge Ratings: I_n : 5kA, I_{max} : 10kA
 Series Load Current: 100mA
 Termination: IEC TV or F Connectors
 Housing: In-line Installation, Shielded Enclosure
 Compliance: IEC/EN 61643-21

The aerial adapters RayCox IEC 48 and F 48 are intended for the protection of TV sets, aerial amplifiers and cable television CATV. It should be connected to the aerial input of the TV set, with the coaxial cable from the aerial plugged into the other side. It should be grounded to the protective earth conductor of the housing installation.

In the case of an individual aerial system with an individual aerial amplifier it is recommended to install an additional aerial adapter which should be connected in the same way as for the TV set.

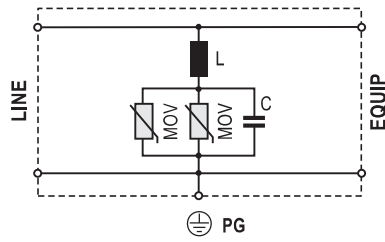
The aerial adapter is not suitable for outdoor installation or installation in very damp places.

Technical Data

	IEC 48	F 48
Electrical		
Nominal Operating Voltage (DC)	U_n	48V
Maximum Continuous Operating Voltage (DC)	U_c	60V
Rated Operating Current at 25°C	I_L	100mA
C2 Nominal Discharge Current (8/20µs)	I_n	5kA
Maximum Discharge Current (8/20µs)	I_{max}	10kA
Residual Voltage at 5kA (8/20µs)	U_{res}	<500V
Rated Spark Overvoltage (Wire-Shield)		90V–110V
Response Time Overvoltage Protection (Wire-Shield)	t_A	<25ns
Insulation Resistance of Protection (Wire-Shield)	R_{iso}	≥6MΩ
Serial Resistance per Path	R	<0.1Ω
Frequency Range	f_G	40–860MHz
Mechanical		
Temperature Range		-40 °C to +80 °C
Connection	TV Connector	F Connector
Degree of Protection IEC/EN 60529		IP 20
Housing Material		Metal
Order Information		
Order Code	IEC 48	F 48
XXX 48	125 093	125 094

RayCox IEC 48, F 48

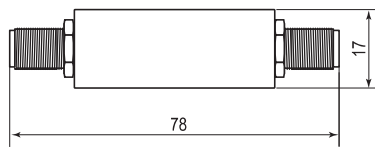
Internal Configuration



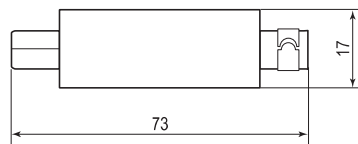
Legend

- C Capacitor
- L Inductor
- MOV Metal Oxide Varistor
- PG Protective Grounding

Dimensions & Packaging



IEC 48



F 48

	IEC 48	F 48
Dimensions		
Weight per Unit		32g
Packaging Dimensions (Single Unit)		90 x 150