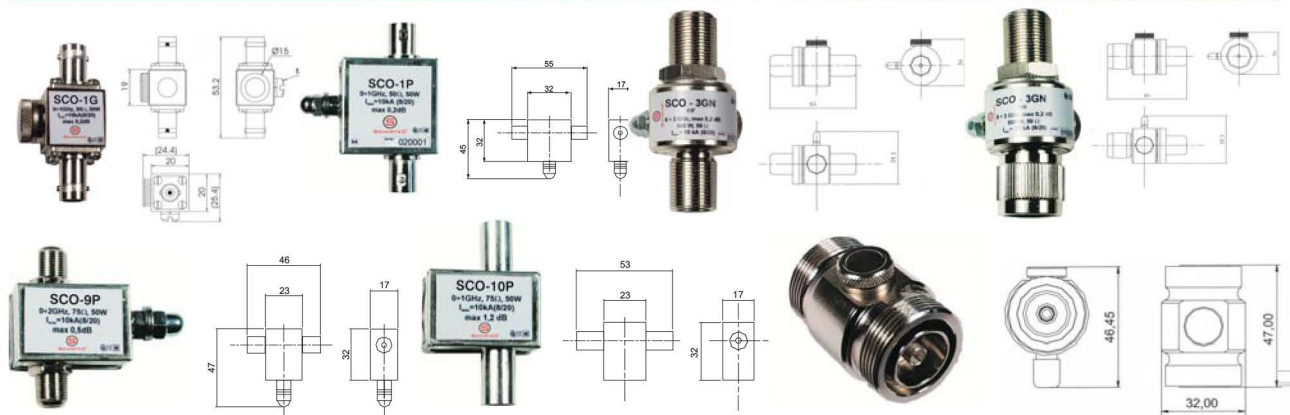


COAXIAL PROTECTION

SCO-*



Innovated coaxial high-frequency protection ranges SCO-*P and SCO-*GN are designed for protection of equipment connected to an aerial system by means of coaxial cables. Special gas discharge tubes with maximum discharge current $I_{max} = 10kA$ (8/20) ensure a reliable protection of the receiving and the transmitting systems even against a lightning stroke nearby. A wide range of coaxial protectors can be used in various applications. The recommended use is in the Lightning Protection Zones Concept at the boundaries of LPZ0_{A(B)}-1 and more.

Type		SCO-1P SCO-2P	SCO-1G SCO-1G	SCO-3GN(F/F) SCO-3GN(F/M)	SCO-4GN(F/F) SCO-4GN(F/M)	SCO-5GN(F/F) SCO-5GN(F/M)	SCO-9P	SCO-10P	
Connector type		BNC	BNC	N			F	TV	
Max. Continuous operating voltage	U_C	72V 200V	72V 200V	72V	200V	0V	72V		
Nominal current	I_N	2,5A	2,5A	5A			0,5A		
Lightning impulse $I_{imp}(10/350)$	I_{imp}	2kA				5kA	2kA		
Nominal discharge current $I_n(8/20)$	I_n	5kA				10kA	5kA		
Max. discharge current $I_{max}(8/20)$	I_{max}	10kA				20kA	10kA		
Voltage protection at $1kV/\mu s$	U_P	500V 600V		500V	600V	<2V	500V		
Frequency range		0-1GHz		0-3 GHz		5-5,4 GHz	0-2GHz	0-1GHz	
Max. output load	P_T	50W 400W		50W	400W	200W	500W		
Insertion loss		<0,2dB		<1,5 dB		<0,2dB	<0,5dB	<1,2dB	
Return loss		>22dB							
Characteristic impedance	Z	50Ω					75Ω		
Category tested by IEC 61643:21-2000		A2, B2, C2, C3, D1							
Earthing		via enclosure							

Note: M....male
F....female



COAXIAL PROTECTION

SCO-*



SCO-7/16

Innovated coaxial high-frequency protection range SCO-7/16 is designed for protection of equipment connected to an aerial system by means of coaxial cables. Special gas discharge tubes with maximum discharge current $I_{max} = 10kA$ (8/20) ensure a reliable protection of the receiving and the transmitting systems even against a lightning stroke nearby. A wide range of coaxial protectors can be used in various applications. The recommended use is in the Lightning Protection Zones Concept at the boundaries of LPZ 0_{A(B)} - 1 and more.

Type		SCO-7/16(F/M)	SCO-7/16(F/F)	SCO-7/16(F/M)
Connector type		7/16"		
Max. Continuous operating voltage	U_c	350V		600V
Nominal current	I_N	5A		12A
Lightning impulse $I_{imp}(10/350)$	I_{imp}	2kA		3kA
Nominal discharge current $I_n(8/20)$	I_n	5kA		10kA
Max. discharge current $I_{max}(8/20)$	I_{max}	10kA		20kA
Voltage protection at 1 kV/ μ s	U_P	950V		
Frequency range		0-2,6 GHz		
Max. output load	P_T	400W		900W
Insertion loss		<0,5dB		<0,2dB
Return loss		>15dB		>20dB
Characteristic impedance	Z	50 Ω		
Category tested by IEC 61643:21-2000		A2, B2, C2, C3, D1		
Weight		175g	165g	510g
Earthing		Via earthing screw		