

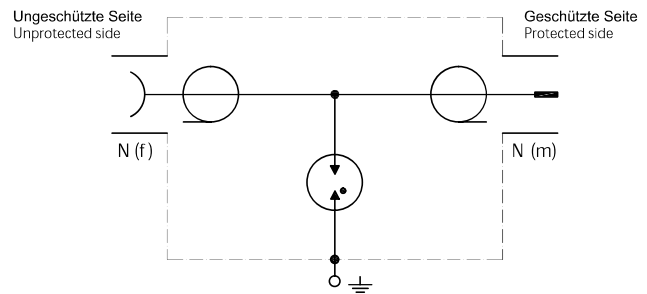
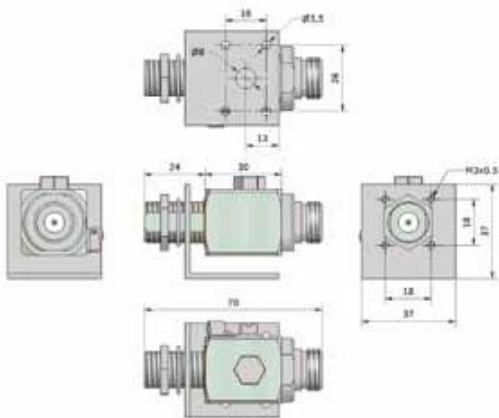
Surge Protective Devices for Aerials

SPD of the Test Category C2+C1

AntPro Koax-GSM-N/230

AntPro Koax-GSM-N was designed for the coarse protection of highly sensitive electronic HF amplifiers, e.g., for GSM aerial systems with GSM aerial cable RG 213/U (max. 180 W at max. 1 GHz, Ø 10.5 mm).

- High performance surge protector
- High frequency band rate: dc to 2.5 GHz



Basic circuit diagram

Technical Data	AntPro Koax-GSM-N/230	AntPro Koax-GSM-N-230(f/f)
Connector N-type plug 50 Ω	N (m/f)	N(f)-N(f)
Max. continuous dc/ac operating voltage (Uc)	115 V	115 V
Nominal dc igniting voltage GDT (Uas)	230 V	230 V
Nominal current (IN)	≤ 2.5 A	≤ 2.5 A
C2 nominal discharge current (8/20 μs) (In)	20 kA	20 kA
Max. impulse discharge current (8/20 μs) (Imax)	40 kA	40 kA
Protection level line-earth at 1 kV/μs and In (Uas)	≤ 700 V	≤ 700 V
Response time at 1 kV/μs (tA)	< 50 ns	< 50 ns
Max. aerial capacity (permanent HF capacity at VSWR = 1.1) (Pmax)	280 W	280 W
Frequency range (3 dB) in a 50 Ω system, typ. (fg)	dc – 2500 MHz	dc – 2500 MHz
Stationary wave (SWR) at 1.5 GHz	≤ 1.06	≤ 1.06
Insertion loss at 1.5 GHz	≤ 0.1 dB	≤ 0.1 dB
Impedance (Z)	50 Ω	50 Ω
Capacitance, typ. asym. inner-conductor/earth (C)	≤ 1.5 pF	≤ 1.5 pF
Operating temperature range (TU)	-25 to +80 °C	-25 to +80 °C
Max. cross section of earth connection	4 – 6 mm ²	4 – 6 mm ²
Connection torque	4 – 6 Nm	4 – 6 Nm
Degree of protection (IEC EN 60529)	IP 54	IP 54
Material: housing/insulation/sealing	CuZn39Pb3/PTFE/silicone	CuZn39Pb3/PTFE/silicone
Material of spring	CuBe2	CuBe2
Net weight / pc	160 g	200 g

Order Data

Product	AntPro Koax-GSM-N/230	AntPro Koax-GSM-N-230(f/f)
Ordering part no.	04 00 01	04 00 04