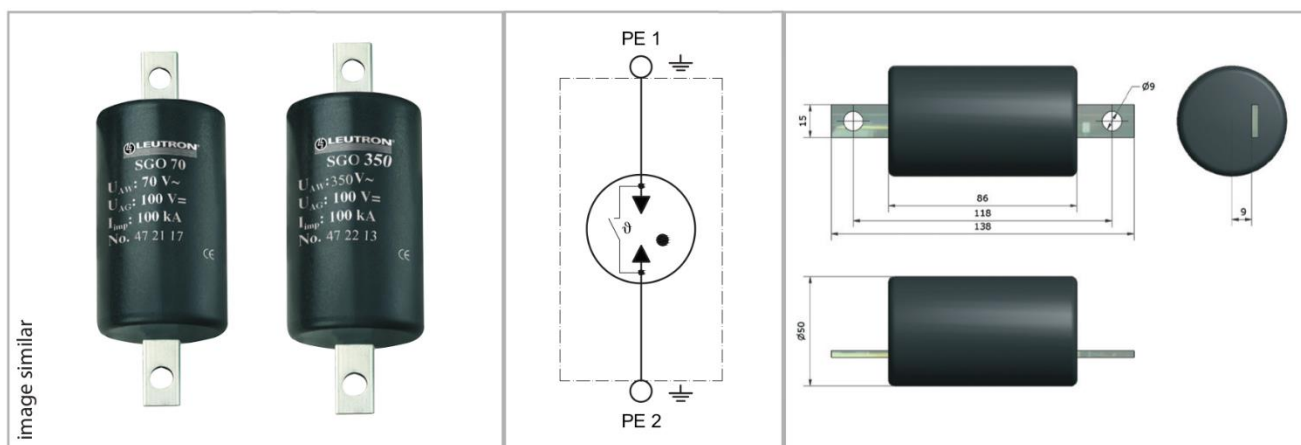


A rare-gas-filled spark gap for the lightning protection equipotential bonding, the insulation of electrically separated parts and the bridging of insulating flanges of gas pipelines. Weather-resistant, moulded metal/ceramic isolating spark gap with terminal lugs for M8 screw connection. Waterproof moulded in polyurethane diecast. Protection of power supply of dc.



Technical Data	SGO 70	SGO 350
IEC category	Class H	Class H
Nominal DC sparkover voltage at 100 V/s	U _{agN} 100 ± 20% V=	500 ± 15% V=
Nominal AC sparkover voltage (50 Hz)	U _{aw} 70 ± 20% V	350 ± 15% V
Typical impulse sparkover voltage	U _{as} 650 V	950 V
Max. impulse sparkover voltage	U _{as} 950 V	1300 V
Lightning impulse current (10/350 μs) total	I _{total} 100 kA	100 kA
Nominal impulse discharge current (10 x 8/20 μs)	I _n 100 kA	100 kA
5x Nominal alternating discharge current at 50 Hz, 1 s, 3 min pause	I _{wn} 100/1 A/s	100/1 A/s
3x lightning impulse current (10/350 μs), long-duration current (CENELEC/BTTF 62-2)	I _{imp} 75 kA / 38 As / 1,45 MJ/Ω + 150 A / 0,5 s / 75 As	75 kA / 38 As / 1,45 MJ/Ω + 150 A / 0,5 s / 75 As
20x lightning impulse current (10/45 μs) half-wave (DIN 48810)	60 kA / 10 As / 0,1 MJ/Ω	60 kA / 10 As / 0,1 MJ/Ω
Nominal alternating discharge current (50 Hz)	200/0,5 A/s	200/0,5 A/s
Alternating current critical load (50 Hz) (1x 0.3s)	I _{wgr} 4.000/0,25 Aeff/s	4.000/0,25 Aeff/s
Insulation resistance at 10 V, 100 V	> 1 GΩ	> 1 GΩ
Spark-gap extinguishing conditions	V _{ex} < 70 V / < 20 A	< 230 V / < 100 A
Self-capacitance at 1 kHz	9 pF	7 pF
Test category/climatic category	DIN IEC 60068-1 / 40/90/21	DIN IEC 60068-1 / 40/90/21
Relative humidity	10%...95% rh	10%...95% rh
Degree of protection	IP 67	IP 67
Operating temperature range	TU -40 - +80 °C	-40 - +80 °C
Terminals	Hole 8,5 mm copper, nickelplate	Hole 8,5 mm copper, nickelplate

Order Data	SGO 70	SGO 350
Product	SGO 70	SGO 350
Article-No.	47 21 17	47 22 13

Telemagnetica S.r.l.

Via Teocrito, 36 - 20128 Milano

Tel. 02.255.29.00 - Fax 02.255.30.97

info@telemagnetica.com - www.telemagnetica.com