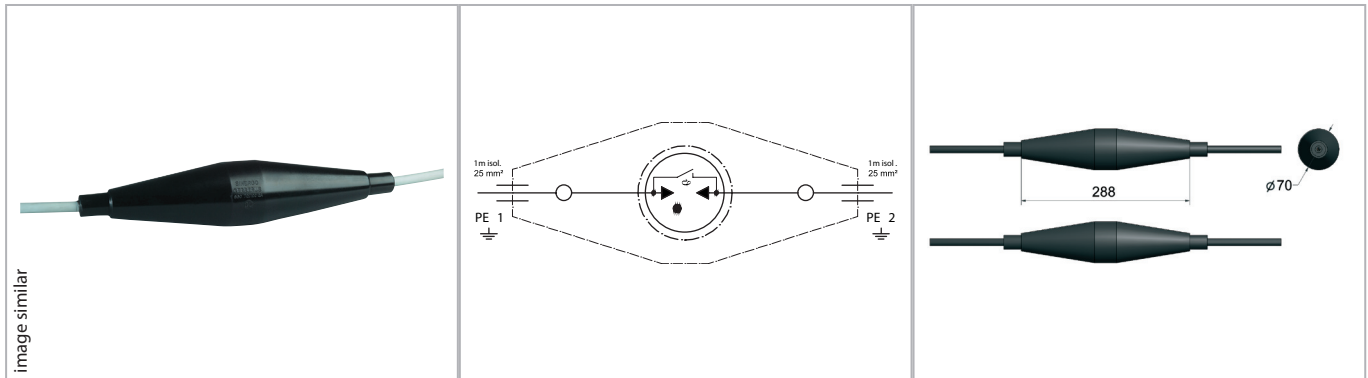


Rare-gas-filled insulation spark gaps

Flexible mounting



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. Waterproof isolating spark-gap for underground installation (soil). Moulded in PU diecast, with cables.

- High-quality industrial ceramics
- Rare-gas filled, hermetically sealed
- Free from radioactive substances
- High discharge capacity up to 100 kA
- Extremely low sparkover voltage
- Highly reliable, stable functioning
- Fail-safe characteristic
- SNAM execution
- Test standard DIN EN 62561-3:2018-02
- Including 2 m connection cables with 25 mm²

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

Order Data

Product	SGO 350 QA
Article-No.	47 21 11