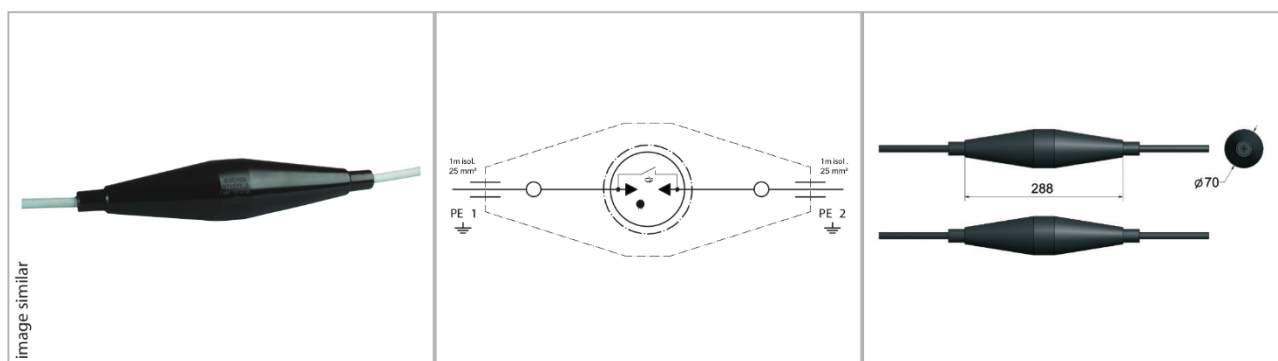


A rare-gas-filled spark gap for the lightning protection equipotential bonding, the insulation of electrically separated parts and the bridging of insulating flanges of gas pipelines. Waterproof isolating spark-gap for underground installation (soil). Moulded in PU diecast, with cables.



Technical Data		SG0 70 QA
IEC category		Class H
Nominal DC sparkover voltage at 100 V/s	U _{agN}	100 ±20% V=
Nominal AC sparkover voltage (50 Hz)	U _{aw}	70 ±20% V
Typical impulse sparkover voltage	U _{as}	650 V
Max. impulse sparkover voltage	U _{as}	950 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)		60 kA/10 As/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) (1x0.3 s)	I _{wgr}	4.000/0,25 Aeff/s
Spark-gap extinguishing conditions	V _{ex}	< 70 V / <20 A
Insulation resistance at 10 V, 100 V		> 1 GΩ
Self-capacitance at 1 kHz		9 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	SG0 70 QA
Article-No.	47 21 04

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