

ARC SPARK GAP

DESCRIPTION

Spark gaps consist of an arrangement of two conducting electrodes separated by a gap. In normal circumstance, two conductors are completely isolated and no current will be passing through of them. When the potential difference between the conductors exceed the breakdown voltage, a spark forms and an electric current then flows. Current flow causes the voltage between the two conductors to drop and remain limited. This voltage limitation protects the equipment from transient over voltages such as lightning surges.



Features

- Stainless steel body (UV proof, corrosion proof, shockproof, water proof)
- Explosion proof certified according to EN 60079-0-1-31
- Performance certified according to IEC 62561-3
- Customizable connections

Applications

- Protection of insulation kits in insulating flanges
- Earth bonding
- Coupling two independent grounding systems

Technical

Body material	Stainless steel 304	Lightning current	100 KA (10/350 us)
Dimensions	42×42×73.5 mm	DC withstand voltage	500 V
Threads	M10	AC withstand voltage	230 V
EX marking	II 2 G Ex db IIC T6 Gb II 2 D Ex td IIC T80°C Db	Rated impulse spark over voltage	1.25 KV
Temperature range	-20° C < t < 60° C	Voltage protection	2.5 KV
Cable	18 cm 25 mm ²	IP	66

Layout

