ISG-50H Ex

ISG - Isolating spark gaps / Ex environment

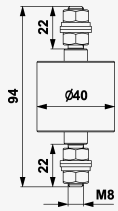
Isolation spark gap for Ex areas

two M8 bolts with nuts, stainless steel enclosure

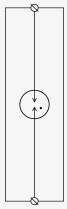
- heavy duty encapsulated isolating spark gap for use in Hazardous (Ex) Areas II 2G Ex mb IIC T6 Gb and II 2D Ex mb IIIC T80 °C Db
- for indirect connection (earthing) of isolated conductive parts under lightning conditions
- for safe installation in Ex zone 1 (gas) or 21 (dust)
- low DC withstand voltage



Product dimensions



Basic circuit diagram



Parameter name		Parameter value
Classification		class H - heavy duty
Isolation resistance		100.00 MΩ
Lightning impulse current	I_{imp}	100.00 kA
Rated impulse sparkover voltage	U_{imp}	0.90 kV
Rated power frequency withstand voltage	U_{WAC}	0.035 kV
Rated DC withstand voltage	U_{WDC}	0.050 kV
Degree of protection		IP 67
Range of ambient temperatures (min/max)		-40 / 50 °C
According to standard		EN IEC 62561-3:2023, EN IEC 60079-0:2018+A11:2024, EN IEC 60079-18:2025
Explosion-tested version		II 2G Ex mb IIC T6 Gb, II 2D Ex mb IIIC T80°C Db
ETIM Class		EC000510
Customs tariff number		85363090
EAN		8595090541318
Order number		A04131