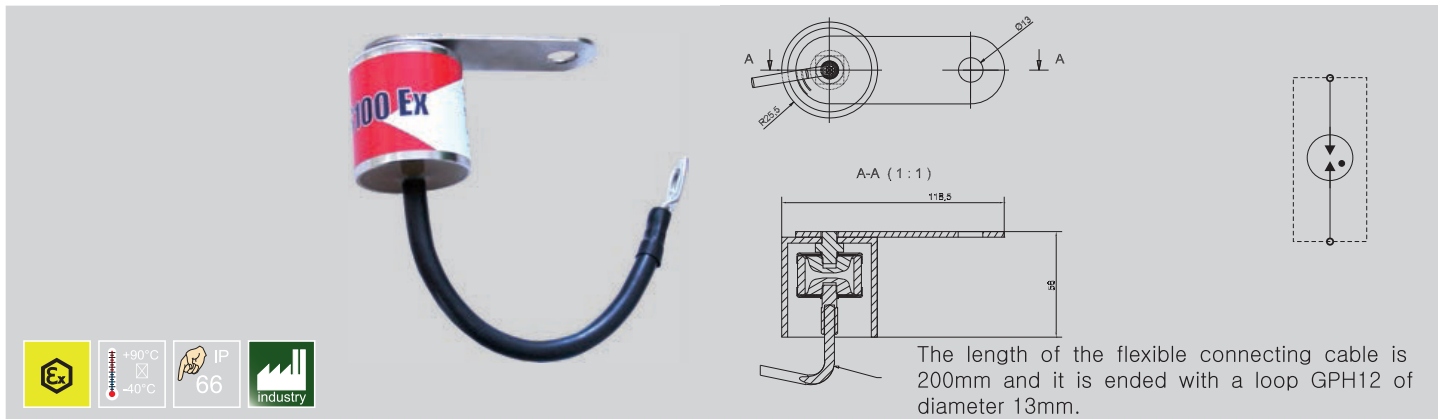


HGS 100 Ex



Technical data

Model	Gas discharge tube	
Electrical characteristics	<b>HGS 100 Ex</b>	
EC-Type examination certificate	II 2G Ex mb T6 / II 2D Ex mb D 21 T80°C	
Class of lightning impulse current strength acc. to EN 5016433	H	
Approvals, certification	FTZU04 ATEX 0255X	
DC-Sparkover voltage	400~750V DC	
AC-Sparkover voltage (50Hz) <span style="float:right">U<sub>ax</sub></span>	275~450V DC	
Rated AC withstand voltage (50Hz) <span style="float:right">U<sub>w/AC</sub></span>	250V	
Impulse sparkover voltage at 5kV/μs for 99% of measured values (wave 1.2/50μs 6kV) <span style="float:right">U<sub>rimp</sub></span>	<1kV	
Max. discharge current (8/20) <span style="float:right">I<sub>max</sub></span>	100kA	
Max. lightning impulse current (10/350)	100kA	
- Charge <span style="float:right">Q</span>	50As	
- Specific energy <span style="float:right">W/R</span>	2,500kJ/Ω	
Insulation resistance at 100V DC <span style="float:right">R<sub>i</sub></span>	>1GΩ	
Capacitance at 1 MHz <span style="float:right">C</span>	5pF	
Casing	corundum/binary resin with an external steel coat, resistance to climatic effects	
Lifetime	min. 100,000h	
Weight	535g	

