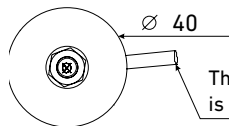
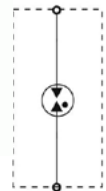
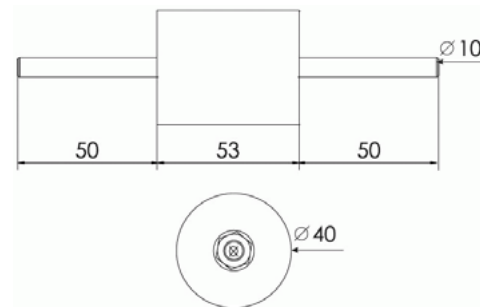
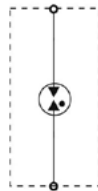
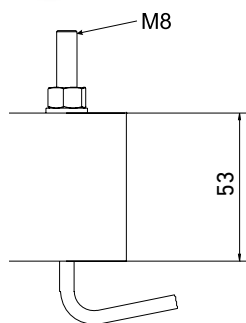
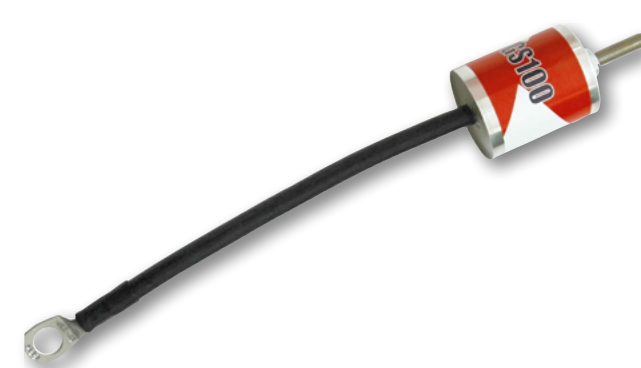


Equipotential Bonding



The length of the flexible connecting cable is 200mm and it is ended with a loop GPH12 of diameter 13mm.

PZH HGS 100, PZH HGS 100 EB

HGS100 and HGS100 EB are a separating high power gas discharge tubes intended for equipotential bonding of an installation parts of buildings, which are not interconnected. In case of origin of p.d. (potential difference) between those parts, the high power gas discharge tube ignites and interconnects both parts for a transient time (typical value of internal resistance at startup of HGS100 is $0,001 \div 0,002 \Omega$).

Recommended installation is inside of the buildings, outdoors, in the damp rooms as well as in the subterraneous areas.

For lightning protection equipotential bonding in accordance with IEC 61024-1 as well as for the use in IT - installations in accordance with IEC 60364-5-54.

TYPE		PZH HGS 100	PZH HGS 100 EB
DC - Sparkover voltage	U_{aw}	400 ÷ 650 V DC	400 ÷ 650 V DC
AC -Sparkover voltage	$U_{W/AC}$	275 ÷ 450 V AC	275 ÷ 450 V AC
Rated AC withstand voltage (50 Hz)		250 V	250 V
Impulse sparkover voltage at 5 kV/μs - for 99% of measured values (wave 1,2/50 μs, 6 kV)		<1 kV	<1 kV
Max. impulse discharge current (8/20)	I_{max}	150 kA	150 kA
Normal impulse discharge current (8/20)	I_n	75 kA	75 kA
Max. lightning impulse current (10/350)	I_{imp}	100 kA	100 kA
Charge	Q	50 As	50 As
Specific energy	W/R	2500kJ/Ω	2500kJ/Ω
Insulation resistance at 100 V DC	R_i	>1 GΩ	>1 GΩ
Capacitance at 1 MHz	C	5 pF	5 pF
Casing		corundum/binary resin with an external steel coat, resistant to climatic effects	
Lifetime		min. 100.000 h	min. 100.000 h
Weight		320 g	320 g
Article number		77 10 005	77 10 009