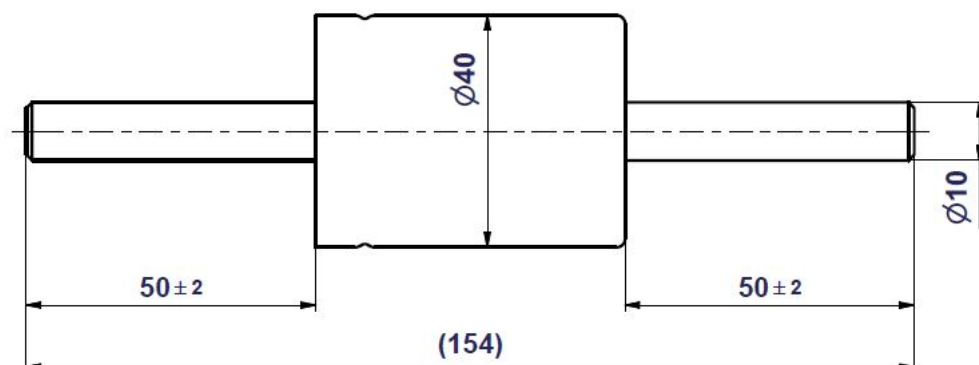


Equipotential bonding of conducting parts of the electrical installation



HGS 100 EB

HGS 100 and HGS 100 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 and EN 62561-3**.

Typ		HGS 100 EB
d.c. sparkover voltage		400 ÷ 750 V DC
Nominal discharge current for class II test (8/20)	I_n	100 kA
Rated over power frequency withstand voltage	U_{WAC}	285 V
Rated DC withstand voltage	U_{WDC}	350 V
Rated impulse sparkover voltage	$U_{r imp}$	< 1400 V
Impulse discharge current for class I test (10/350)	I_{imp}	100 kA
Charge	Q	50 As
Specific energy for class I test	W/R	2500 kJ/Ω
Voltage protection level at I_{imp}	U_p	< 1 kV
Capacitance at 1 MHz	C	25 pF
Casing		corundum/binary resin with an external steel coat, resistant to climatic effects
Degree of protection of enclosure		IP66
Operating temperature	θ	-40°C ... +70 °C
Lifetime		min. 100 000 h
Weight	m	320 g
Article number		
HGS 100 EB		10 009

