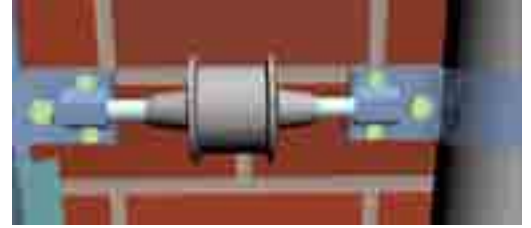
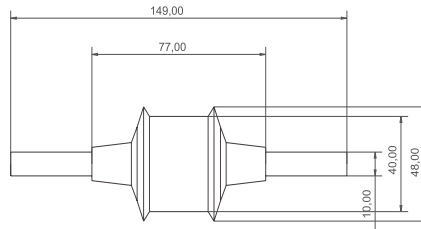


NEW SOLUTION

EQUIPOTENTIAL BONDING OF CONDUCTING PARTS OF THE ELECTRICAL INSTALLATION BY HIGH POWER GAS DISCHARGE TUBE – HGS100

HGS100



HGS100 is a separating high power gas discharge tube 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.

Surge Arrester	HGS100-500
2-Electrode Arrester	Ordering Code: 100 05
Technical data	
DC Spark-Over Voltage	400...750V
AC Spark-Over Voltage (50Hz)	$>500V_{rms}$
Impulse Spark-Over Voltage at 5kV/ μs - for 99% of measured values (wave 1,2/50 μs , 6kV)	<1500V
Max. Impulse Discharge Current (wave 8/20 μs)	150kA
Nominal Impulse Discharge Current (wave 8/20 μs)	75kA
Max. lightning impulse current $I_{imp}(10/350\mu s)$	100kA
Charge	50As
Specific energy	2500kJ/ Ω
Insulation Resistance at 100VDC	$>1G\Omega$
Capacitance at 1MHz	5pF
Weight	225g
Casing	korundum/steel with an external plastic coat that is resistant to climatic effects
Connection	2 outlets - $\varnothing 10mm$
Dimension	$\varnothing 40, l=42$ (body) $l=150$ (total length with screw fixation M8)
Operating and Storage Temperature	- 40++90°C
Climatic Category (IEC 60068-1)	40/90/21

Equipment of power electrical distribution (also frame with a neon sign, electrical sirens, air conditioning etc.), that are situated on the roofs have to be connected to the lightning conductor through the high power gas discharge tube HGS100.