



HG20

HG20 is a high power gas discharge tube intended for equipotential bonding between N and PE (equipotential busbar) in low voltage electrical systems of buildings. It fulfils construction demands posed on surge arresters class II. The recommended use is in the Lightning Protection Zones Concept at the boundaries of LPZ 0_B - 1 and more according to IEC 1312-1. They are produced of non-radioactive materials.

Type		HG20
Arrester class acc. to IEC 61643-1:1998 and EN 61643-11:2002		II
Rated voltage (max. continuous operating voltage)	U_C	275V/50Hz
DC sparkover voltage		500V±20%
Lightning Impulse sparkover voltage 1,2/50µs	U_p	<1,5kV
Nominal impulse discharge current I_n (8/20)	I_n	20kA
Max. discharge current I_{max} (8/20)	I_{max}	50kA
Nominal alternating discharge current (50Hz, 1s)		20A _{rms}
Insulation resistance	R_i	>1GΩ
Capacitance at 1MHz	C	<4pF
Glow voltage		~200V
Max. lightning impulse current I_{imp} (10/350)	I_{imp}	20kA
Charge	Q	10As
Specific energy	W/R	100kJ/Ω
Voltage protection level at I_{imp}	U_p	<1,3kV
Follow current extinguishing capability at U_C	I_f	<200A _{rms}
Response time	t_A	<100ns
Operating temperature range	ϑ	-40 to +80°C
Protection type		IP 00
Weight	m	6g
Article number		00105