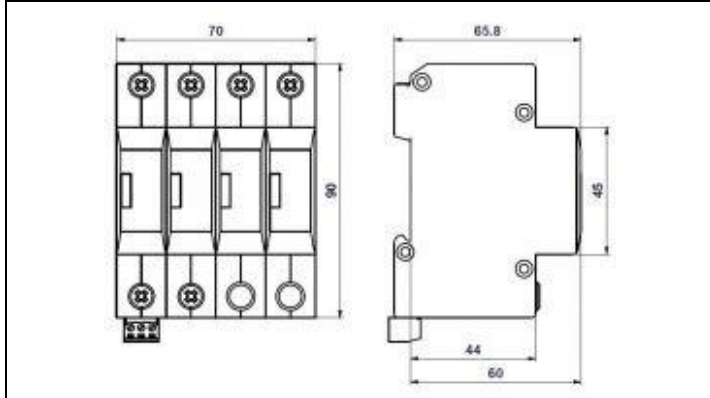


HLSA12,5 275 3+1 S Type 1+2 p/n: 10039 revA


HLSA12,5-275/3+1 (Lightning Surge Arrester) of the "G-Line" range is a lightning and surge arrester according to EN 61643-11:2012 (IEC 61643-11:2011) consisting of high energy varistors in combination with gas discharge tube, which ensures zero leakage current in the PE conductor. Its parameters enable usage in buildings with considerable levels of protection LPL III and LPL IV, such as small administration complexes, residential buildings, family houses or properties and halls without the incidence of persons and indoor equipment. The device is to be installed on the interface of LPZ 0 – LPZ 1 and higher zones according to standard EN 62305:2011 (IEC 62305:2010), closest to where overhead line enters the building i.e. in the main distribution boards

Unit parameters		
Test class according to EN 61643-11:2012 (IEC 61643-11)		TYPE 1+2, CLASS I+II
Maximum continuous operating voltage	UC	275 V AC / 350 V DC
Charge L/N	Q	6,25 As
Open circuit voltage	Uoc	6 kV
Specific energy for class I test L/N	W/R	39 kJ/Ω
Impulse discharge current for class I test (10/350) N/PE	I _{imp}	50 kA
Total discharge current (10/350) L1+L2+L3+N->PE	I _{total}	50 kA
Total discharge current (8/20) L1+L2+L3+N->PE	I _{total}	100 kA
Nominal discharge current for class II test (8/20) L/N	I _n	25 kA
Nominal discharge current for class II test (8/20) N/PE	I _n	50 kA
Voltage protection level	U _p	< 1,2 kV
Voltage protection level at UOC	U _p	< 1200 V
Temporary overvoltage (TOV) L/N	U _T	337 V/5 s
Temporary overvoltage (TOV) N/PE	U _T	1200 V/0,2 s
Response time L/N	t _A	< 25 ns
Response time N/PE	t _A	< 100 ns
Max. back-up fuse	A	160 A gL/gG
Housing material Polyamide		PA6, UL94 V-0
Degree of protection of enclosure		IP20
Operating temperature	°C	-40 °C ÷ +70 °C
Range of clamps fastening	mm ²	16 ÷ 25 mm ² (solid) / 1,5 ÷ 16 mm ²
Method of assembly IN		rail 35 mm
Optical function		signalization target clear – ok / optical function Failure signalization (S)
Potential free signal contact (S) (recommended cross- 2AC:		AC: 250 V / 1,5 A, DC: 250 V / 0,1 A
Lifetime	Hr	min. 100 000
Weight	g	513
HSA-275/4+0 S	P/N	10039

Dimension drawing



Internal wiring diagram

