

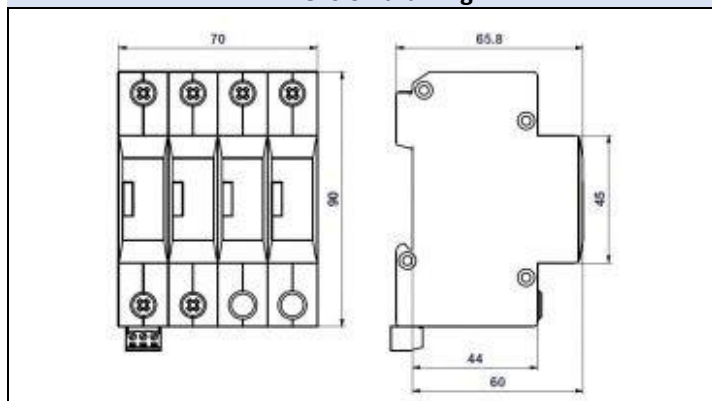
**HSA 275 4+0 S TYPE 2+3, CLASS II+III DATA SHEET P/N: 24525**

**HSA-275/4+0 S** (Hakel Surge Arrester) of the „G-Line“ range is a surge arrester according to EN 61643-11:2012 (IEC 61643-11:2011) consisting of high energy varistors. Its parameters enable its use in complex circumstances. The device is to be installed on the interface of LPZ 1 – LPZ 2 and higher zones according to standard EN 62305:2011 (IEC 62305:2010), i.e. into subsidiary switchboards and control boxes. **The product has two PE terminals, which cannot be used as a PE bridge.**



Unit parameters		
Test class according to EN 61643-11:2012 (IEC 61643-11)		TYPE 2+3, CLASS II+III
Maximum continuous operating voltage	UC	275 V AC / 350 V DC
Maximum discharge current	I <sub>max</sub>	50 kA
Nominal discharge current for class II test (8/20)	I <sub>n</sub>	20 kA
Open circuit voltage	U <sub>oc</sub>	6 kV
Total discharge current (8/20) L1+L2+L3+N->PE	I <sub>total</sub>	200 kA
Voltage protection level	U <sub>p</sub>	< 1,2 kV
Voltage protection level at UOC	U <sub>p</sub>	< 800 V
Response time	t <sub>A</sub>	< 25 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 <sup>2</sup>	1,5 ÷ 25 mm <sup>2</sup> (solid) / 1,5 ÷ 16 mm <sup>2</sup>
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:		250 V / 1,5 A
Lifetime	Hr	min. 100 000
Weight	g	359 g
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**Dimension drawing**



**Internal wiring diagram**

