

## HLA50-440/3+0

HLA50-440/3+0 (Hakel Lightning Arrester) of the „G-Line“ range is a lightning arrester according to standard EN 61643-11:2012 (IEC 61643-11:2011) consisting of multiple non-exhausting spark gaps. Its parameters enable usage in buildings with a considerable level of protection LPL I, such as big industrial complexes and properties of particular importance – hospitals, banks, power plants. The device is to be installed on the interface of LPZ 0 – LPZ 1 zones according to standard EN 62305:2011 (IEC 62305:2010), closest to where the overhead line enters the building i.e. the electric power substation, electrometer or the main distribution boards. The product has two PEN terminals, which can not be used as a PEN bridge.

### PARAMETERS

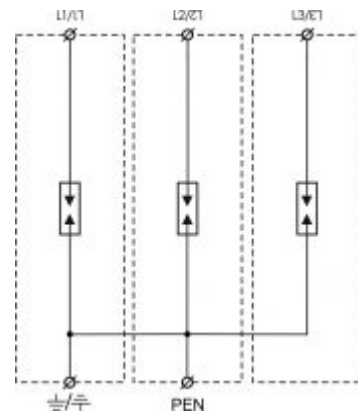
Typ		HLA50-440/3+0
Test class according to EN 61643-11:2012 (IEC 61643-11)		TYPE 1, CLASS I
Network type		TN-C
Maximum continuous operating voltage	$U_c$	440 V AC
Impulse discharge current for class I test (10/350)	$I_{imp}$	50 kA
Charge	Q	25 As
Specific energy for class I test	W/R	625 kJ/Ω
Total discharge current (10/350) L1+L2+L3->PEN	$I_{total}$	150 kA
Nominal discharge current for class II test (8/20)	$I_n$	50 kA
Voltage protection level at $I_{imp}$	$U_p$	< 2,5 kV
Temporary overvoltage (TOV)	$U_T$	581 V/5 s
Response time	$t_A$	< 100 ns
Follow current interrupt rating	$I_{fi}$	3 kA <sub>rms</sub>
Max. back-up fuse		500 A gL/gG
Short-circuit current rating at max. back-up fuse	$I_{SCCR}$	25 kA <sub>rms</sub>
LPZ		0-1
Housing material		Polyamid PA6, UL94 V-0
Degree of protection of enclosure		IP20
Operating temperature	ϑ	-40 °C ... +70 °C
Cross-section of the connected conductors (at tightening moment of clamps 4 Nm)		25 mm <sup>2</sup> (solid) - 16 mm <sup>2</sup> (wire)
Method of assembly		DIN rail 35 mm / any
Lifetime		min. 100 000 h
Weight	m	705 g
Article number		
HLA50-440/3+0		<b>10953</b>

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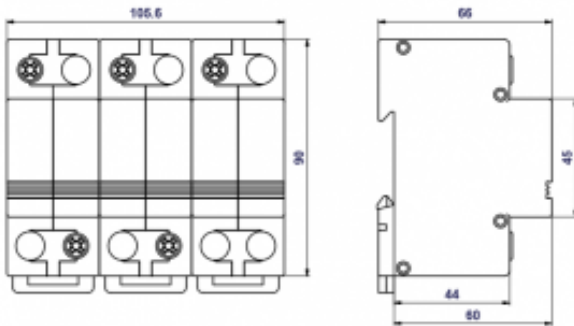
**Product image**



**Internal wiring diagram**



**Dimension drawing**



**Installation diagram**

