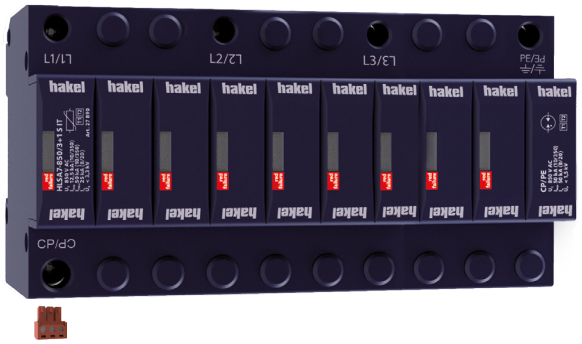
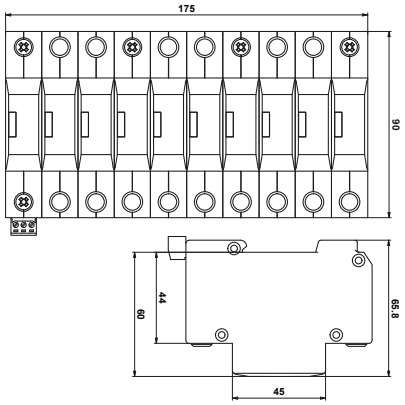
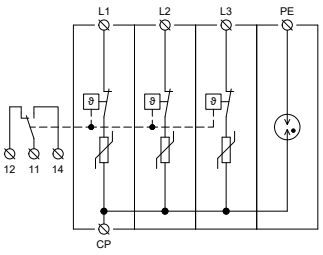
Lightning and surge arrester / varistor + gas discharge tube / TYPE 1+2

TYPE 1+2 / CLASS I+II / IT / CE







HLSA7-850/3+1 IT
HLSA7-850/3+1 S IT

HLSA* 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. **S** indication specifies a version with remote monitoring.

Type			**HLSA7-850/3+1 IT, HLSA7-850/3+1 S IT**
Test class according to EN 61643-11:2012 (IEC 61643-11:2011)			TYPE 1+2, CLASS I+II
System			IT
Nominal line voltage		U_N	3 x 720 V IT
Max. continuous operating voltage		U_C	850 V AC
Maximum discharge current (8/20) L/PE		I_{max}	50 kA
Impulse discharge current for class I test (10/350) L/PE		I_{imp}	7 kA
Charge L/PE		Q	3,5 As
Specific energy for class I test L/PE		W/R	12,25 kJ/Ω
Impulse discharge current for class I test (10/350) CP/PE		I_{imp}	50 kA
Charge CP/PE		Q	25 As
Specific energy for class I test CP/PE		W/R	625 kJ/Ω
Total discharge current (10/350) L1+L2+L3+CP->PE		I_{TOTAL}	50 kA
Total discharge current (8/20) L1+L2+L3+CP->PE		I_{TOTAL}	100 kA
Nominal discharge current for class II test (8/20) L/PE		I_n	25 kA
Nominal discharge current for class II test (8/20) CP/PE		I_n	50 kA
Voltage protection level		U_p	< 3,3 kV
Temporary overvoltage (TOV) L/CP		U_T	1030 V / 5 s
Temporary overvoltage (TOV) L/PE		U_T	2050 V / 0,2 s
Response time L/CP		t_A	< 25 ns
Response time L/PE		t_A	< 100 ns
Max. back-up fuse			160 A gL / gG
Short-circuit current rating at 160 A gL / gG		I_{SCCR}	60 kA_{rms}
LPZ			0-1 and higher
Housing material			Polyamid PA6, UL 94 V-0
Degree of protection of enclosure			IP20
Operating temperature range		ϑ	-40 °C ÷ +70 °C
The minimal cross-section of the connected conductors according to standard HD 60364-5-534:2016 (at tightening moment of clamps 3 Nm; It's not valid for „V“ connection)			T1: 6 mm^2 (L, N), 16 mm^2 (PE, PEN) T2: 2,5 mm^2 (L, N), 6 mm^2 (PE, PEN)
Range of clamps fastening			1,5 ÷ 25 mm^2 (solid) / 1,5 ÷ 16 mm^2 (wire)
The mounting method / operating position			DIN rail 35 mm / any
Failure signalisation – optical function signalization			target clear – ok / target red – fault
Potential free signal contact (S) (recommended cross-section of remote monitoring max. 1 mm^2)			AC: 250 V / 1,5 A, DC: 250 V / 0,1 A
Lifetime			min. 100 000 h
Weight		m	1312 g
Article number	HLSA7-850/3+1 IT		27 884
	HLSA7-850/3+1 S IT		27 890

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