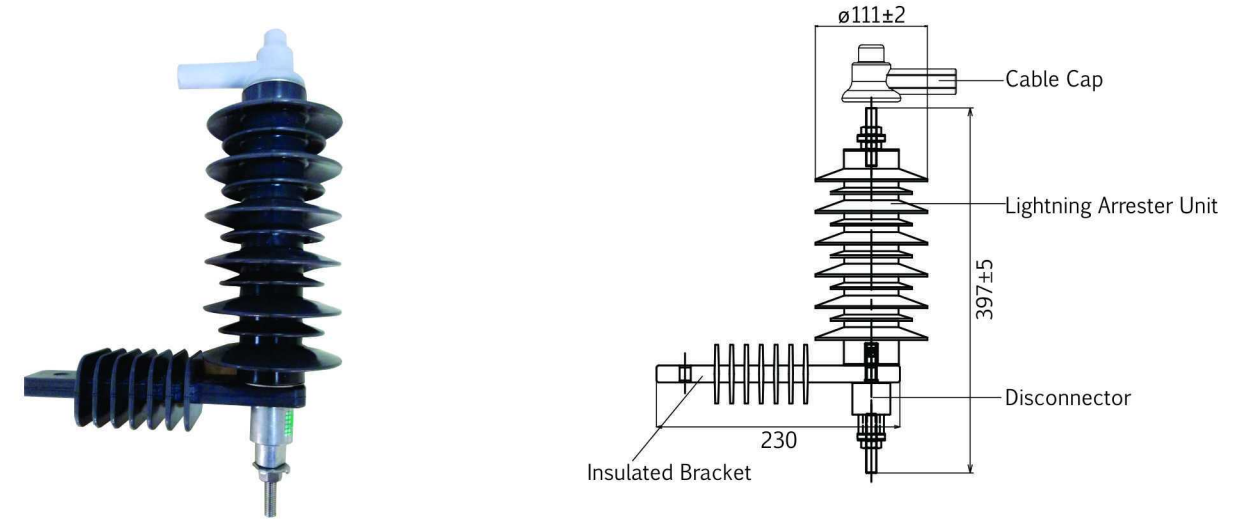


HY10W-2 SERIES LIGHTNING ARRESTER 21KV ~ 27KV : TECHNICAL PARAMETERS

NO	Lightning Arrester Type			HY10W2-21	HY10W2-24	HY10W2-27
	Electrical / Physical Characteristics					
1	Nominal Voltage	Un	kVrms	20		
2	Rated Voltage	Ur	kVrms	21	24	27
3	Continuous Operating Voltage	Uc	kVrms	17	19.5	22
4	Continuous Current	$I_r \leq 300 \mu A_p$				
5	Nominal Discharge Current	In	kA	10	10	10
6	Power-frequency Reference Voltage	$I_r \leq 2mA$	$\geq kVp/f^2$	21	24	27
7	D.C Reference Voltage	(1mA) kV.D.C		29.0 ~ 33.9	34.0 ~ 38.9	39.0 ~ 43.0
8	Residual Voltage	Steep current impulse residual voltage $\leq kVp$		66.0	76.0	85.0
		Lightning impulse residual voltage $\leq kVp$		58	67	74
		Switching impulse residual voltage $\leq kVp$ (500A)		52	60	66
9	Long-duration Current Impulse (2ms Rectangular Impulse)		400	400	400	
	2ms	A				
	Long-duration Current Impulse (Line Discharge Class)		2	2	2	
10	Energy Absorption Capacity	kJ/kV μc		Min 4	Min 4	Min 4
11	High Current Impulse Withstand	kAp		100	100	100
12	Housing insulation withstand strength	Lightning impulse withstand voltage kVp		125	150	150
		Short-time power frequency withstand voltage kVrms		50	65	65
13	Internal partial discharge	\leq	pC	10	10	10
14	Minimum creepage distance	\geq	mm	735	758	758
15	Insulation distance			234	254	254
16	Torsional Load	N . m		75	75	75
17	Bending moment	SSL/SLL	N	300/150	300/150	300/150
18	Tensile load	N		650	650	650
19	Arrester Dimension	Diameter (skirt)	D mm	114/88	114/88	114/88
		Diameter (Arrester)	D1 mm	52	52	52
		Number of skirts		11	11	11
		Height	H mm	377+5	397+5	397+5
20	Resistor Blocks	Diameter	mm	$\Phi 42$	$\Phi 42$	$\Phi 42$
		Height	mm	20 ± 1	20 ± 1	20 ± 1
		Number of blocks		7	8	9
21	Rated short circuit current		20kA/0.2s			
	Reduced short circuit current		12kA/0.2s. 6kA/1.2s			
	Low short circuit current		$600 \pm 200A / 1.0s$			
22	Housing Material		Polymer			

All Technical Parameters fully meet IEC STANDARD 60099-4 2009 and SPLN D5 006 2013

DRAWINGS AND DIMENSIONS



STRUCTURE CHARACTERISTICS

APPLICATION

The Lightning Arresters protect the electrical network and its electrical equipment from over voltage. These Arresters are of the key importance to improve the quality and reability of the power supply.

DESIGN

HY10W-2 Series Lightning Arresters class 2 are designed in accordance to IEC STANDARD 60099-4 2009 SPL N D5 006 2013.

OPERATING CONDITION

Ambient Temperature : -30° up to 40°C

TECHNICAL PARAMETERS

Rated Voltage : 21kV up to 27 kV
 Nominal discharge current : 10 kA
 High current impulse withstand : 100kA
 Long duration current impulse withstand : 400A
 Line discharge class : 2
 Short circuit withstand : 20 kA/0.2S

PARTS OF SUPPLY

- Arrester unit
- Disconnector
- Cable cap

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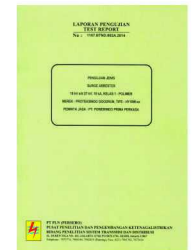
- Insulated bracket
- Metal bracket for horizontal pole installed



Sertifikat Sistem Manajemen Mutu



Sertifikat Pengujian Jenis Arrester



Type Test Report LMK/ PLN