

Polymer Insulator

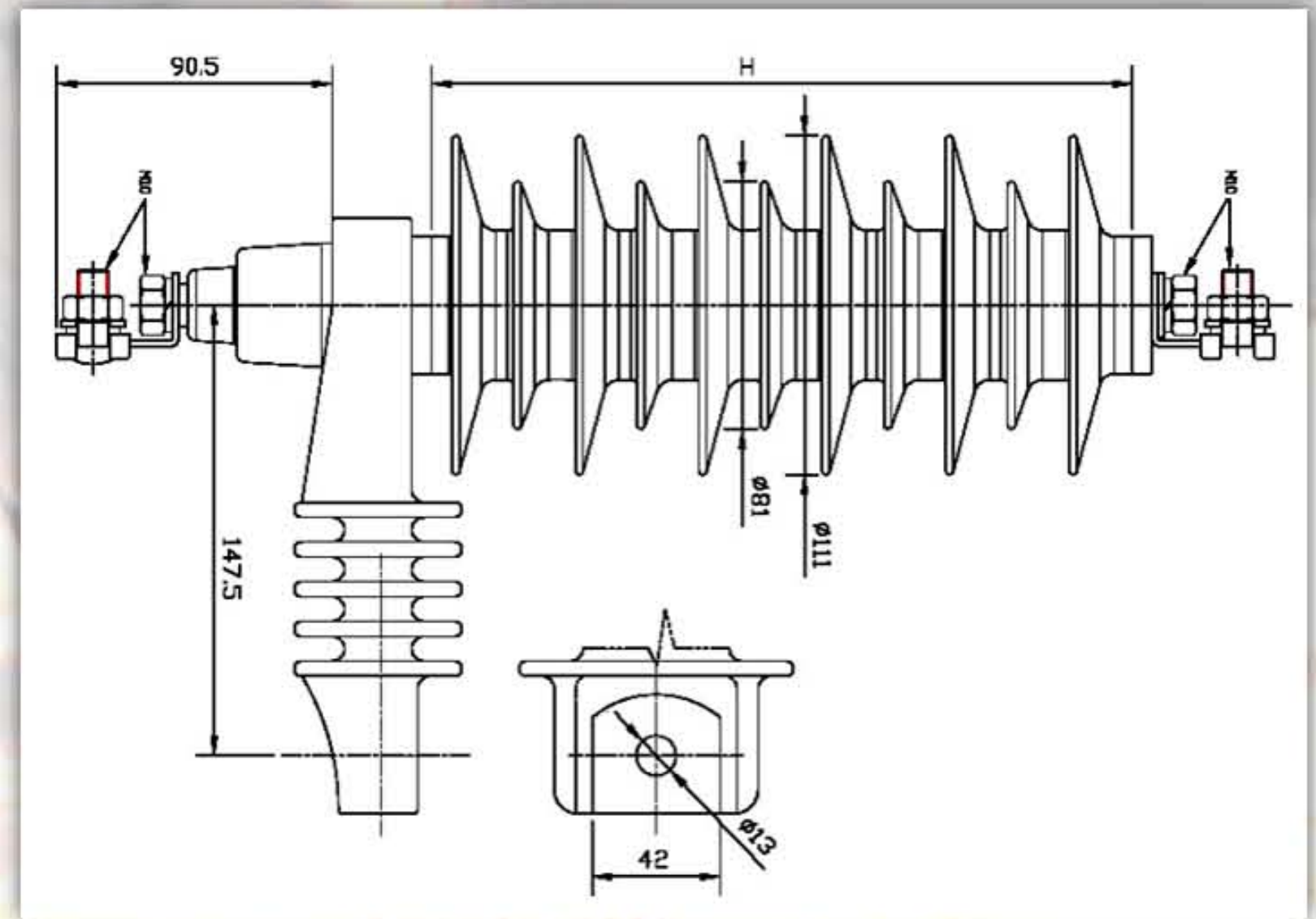
Lightning Arrester

(Purpose)

In the electric power system, Lightning Arrester is protective devices which are transformers, electric motors, circuit breakers, switches and cables to be connected with distribution(transmission) lines.



[Lightning Arrester]



[Drawing: Lightning Arrester]

[Properties]

- Excellent insulation protection using ZnO element which has superior clamping voltage.
- Excellent cutoff for follow current, good response and certain operating characteristic when overlapped surge occur.
- Without changing characteristic, perfect absorption of surge by using ZnO element which is excellent long time discharge current.
- Gapless type Arrester is Maintenance free because it contains ZnO element.
- Safe from the danger of explosion and scattering accident because FRP filament is formed to winding method so, excellent power relief characteristic.
- Perfect sealing by one-piece injection molding.
- Excellent anti-pollution for outdoor and contamination areas by using silicone rubber.



[Image of Installation of Product]

[Specification of Lightning arrester with gapless type]

Description		WEP-06	WEP-12	WEP-18
Voltage rating, kV		6	12	18
Nominal discharge current of an arrester, kA			5	
Maximum continuous operating voltage of an arrester, kV		5.1	10.2	15.3
Reference voltage (V_{1mA}), kV	DC	10	20	22.90
Residual voltage (8.20 μs), kV crest		19.3	38.6	Max. 60
Discharge current rating (4/10 μs), kA	Short time Max. current (4/10 μs), kA crest		65	
	Long time Min. current	μs	1,000	
	A crest		75	
Applied Standard		KS C IEC 60099-4, ES-5920-0010(KEPCO)		



WOOJIN Electric & Power

