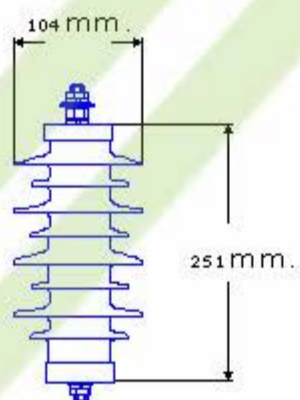


# PRECISE

## PRECISE Distribution Surge Arresters

**Type : LAZ-P24, 24kV 5 kA**  
**Silicone Housed ZnO Gapless Arresters**

### Dimensions



### ZnO Gapless Surge Arresters

Reference standard : **IEC 60099-4**

Rated Voltage,  $U_r$  : **24 kV rms**

Continuous Operating Voltage,  $U_c$  : **19.5 kV rms**

Nominal discharge current,  $I_n$  : **5 kA peak**

High current impulse : **65 kA peak**

Energy absorption capability : **1.4 kJ/kV  $U_r$**

Lightning Impulse Withstand Voltage : **125 kV peak**

### Power Frequency withstand Voltage

- Dry condition : **42 kV rms**

- Wet condition : **36 kV rms**

Short Circuit Test : **20 kA rms**

Material of polymer housing : **Silicone rubbers**

Creepage distances : **600 mm.**

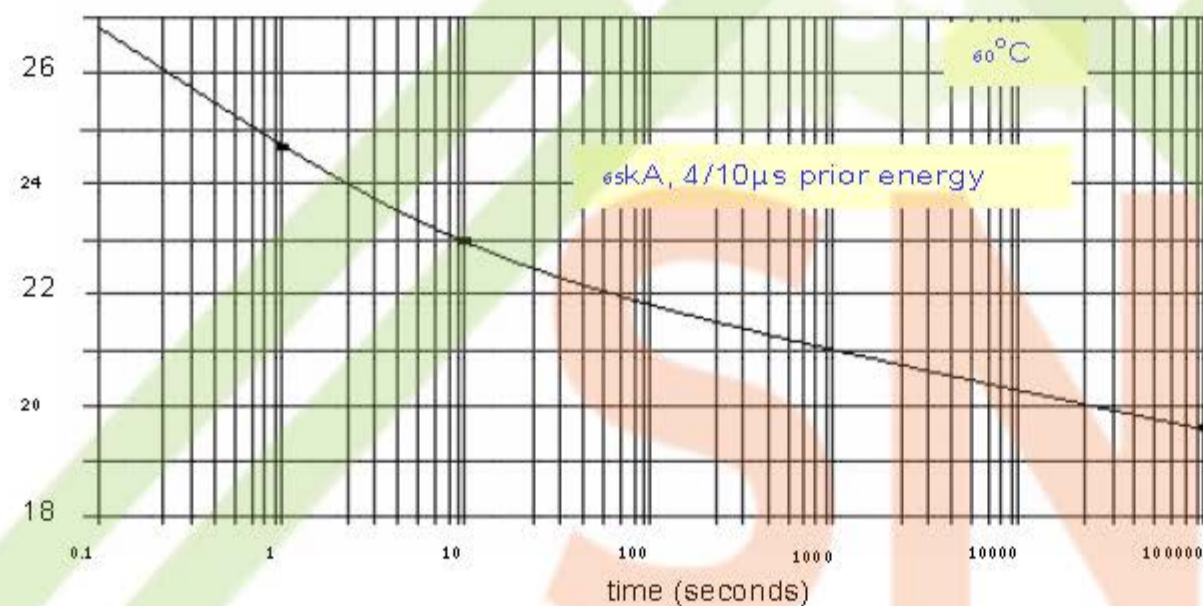
Weight : **3.2 Kg**

### Discharge voltages

Rated voltage	Lightning current impulse 8/20 $\mu$ s (5kA)	Steep current Impulse (5kA)
24 kV	20 kV	27 kV

### Power frequency voltage versus time curve

Voltage (kV rms)



### Plate Marking

**PRECISE**

LAZ-P24

IEC 60099-4

$U_r$  : 24 kV

$U_c$  : 19.5 kV

5 kA

Serial Number

Year of Manufacturing

Factsheet No. : PEM-OSM10-0008  
 Factsheet State 1 Issued On : 5/04/2007

Authorized Dealer:

**KHAOYAI SUPPLY99 CO.,LTD.**

Revision No.0 Date : January 2007

## PRECISE Distribution Class Surge Arresters

Type : LAZ-P24, 24kV 5 kA  
Silicone Housed ZnO Gapless Arresters



The **PRECISE** SURGE ARRESTER type **LAZ-P**, **PAZ-P-1**, **PAZ-P-2** and **PAZ-P-3** with silicone housing were developed for medium voltage distribution system. They have manufactured certificate **ISO9001** and successfully pass the test requirements according the latest version of **IEC60099-4**.

The arresters are available to limit over voltage and to protect the equipment are shall be installed list below;

- At the cable sealing ends
- At Transformer station secondary side and Primary side
- At the end of line and or Long Branch line

### **Silicone Housing features:**

Excellent Hydrophobicity Property  
Not release toxic gas when burned  
Flame resistance

### **Perform High energy absorption Capability:**

ZnO block have non-linear characteristics which show the best material for surge arresters. When the arrester is in operation, it is subject to the  $U_c$  voltage and there is a small current flowing through the arresters. This small current is harmless to arrester or to the network. When strong impact comes, the ZnO materials will increasing its conductivity and conduct most energy to ground.



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