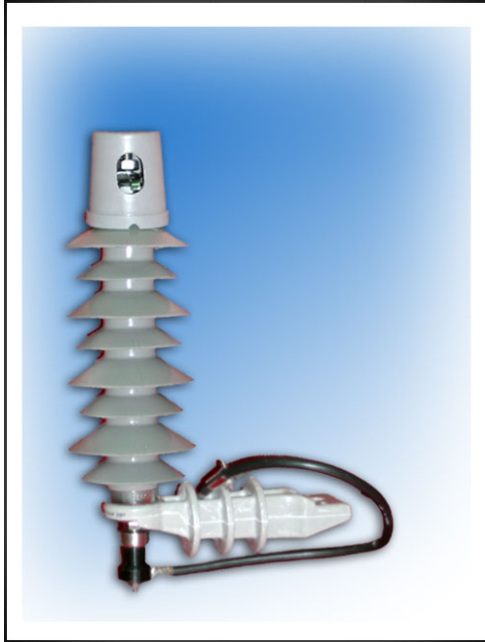


PRECISE Distribution Class Surge Arresters

Type : LAZ-P21, 21kV 5 kA
Silicone Housed ZnO Gapless Arresters



Silicone Housing features:

Excellent Hydrophobicity Property
Not release toxic gas when burned
Flame resistance

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

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.



Sale Office : PRECISE INTERNATIONAL CORPORATION LTD.

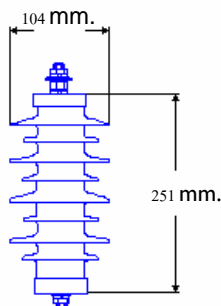
Address : 1842 Krungthep-Nonthaburi Rd., Bangsue, Bangkok, 10800 Thailand
Telephone : (662) 910 9700-12 Telefax : (662) 910 9713-14
Website : <http://www.precise.co.th> E-mail : info@precise.co.th

PRECISE

PRECISE Distribution Surge Arresters

Type : LAZ-P21, 21kV 5 kA
Silicone Housed ZnO Gapless Arresters

Dimensions

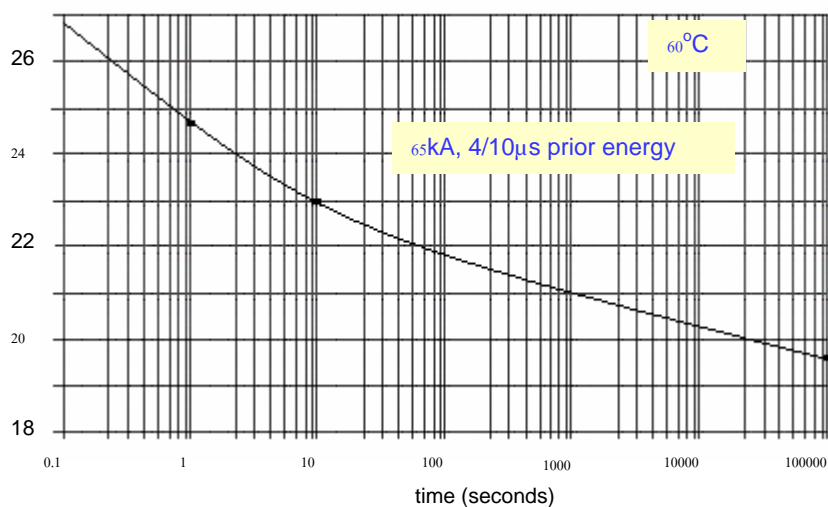


Discharge voltages

Rated voltage	Lightning current impulse 8/20 μ s (5kA)	Steep current Impulse (5kA)
21 kV	70 kV	75 kV

Power frequency voltage versus time curve

Voltage (kV rms)



ZnO Gapless Surge Arresters

Reference standard : IEC 60099-4

Rated Voltage, U_r : 21 kV rms

Continuous Operating Voltage, U_c : 17 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 : 1.7 Kg

Plate Marking

PRECISE
 LAZ-P21
 IEC 60099-4
 U_r : 21 kV
 U_c : 17 kV
 I_n : 5 kA
 Serial Number
 Year of Manufacturing

Factsheet No. : PEM-OSM10-0003
 Factsheet State 1 Issued On : 5/04/2007

Authorized Dealer:



Revision No.0 Date : January 2007