SURGE ARRESTERS FOR NETWORKS WITH RATED VOLTAGES OF 3.3kV and 6 kV

APPLICATION AREA

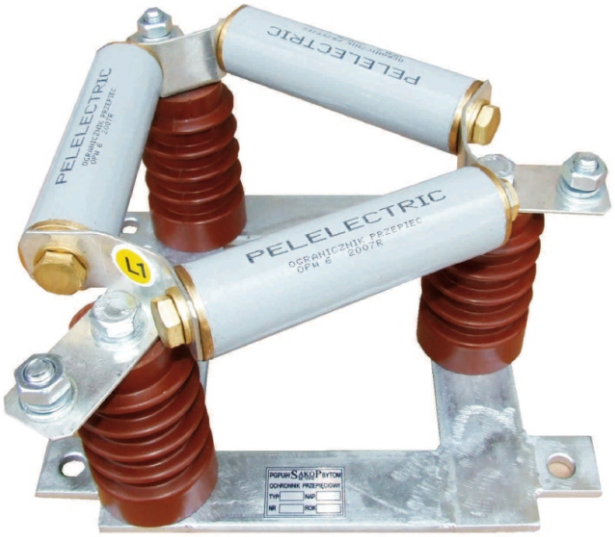
Three-phase surge arresters for networks with rated voltages up to 6 kV are designed to mitigate voltage surges and overvoltage peaks occurring at switching of electric equipment and to reduce them to the permissible limit corresponding to the insulation strength of the protected system.

Surge arresters can be used to protect windings of transformers and motors and to enable appropriate coordination of insulation properties in switched networks when switching equipment with the risk of voltage surge production is applied.

protect insulation of electric machinery as well as cables and conductors from possible damages caused by voltage surges that may be associated with commutations during regular operation and tripping of emergency devices in circuits with vacuum switching devices.

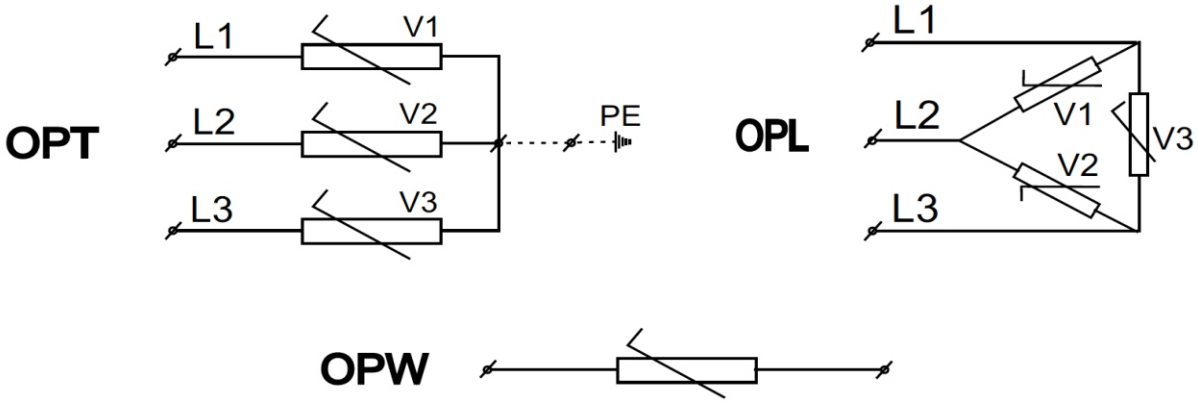
TYPES OF SURGE ARRESTERS

- for delta arrangement - OPL devices
- for star arrangement – OPT devices
- for single-phase applications – OPW devices



TECHNICAL PARAMETERS

Rated network voltage	6 kV 50 Hz	3.3 kV 50 Hz
Voltage of continuous operation U_c	7.2 kV 50 Hz	3.6 kV 50 Hz
Rated discharge current	2 kA	2 kA
Capacity of energy absorption	2 kJ	1 kJ
Reference voltage U_{ref} (for the current of 1 mA)	11 ÷ 12 kV	5.4 ÷ 6 kV
Residual voltage U_{res}	16 kV	10 kV
Non-linearity factor $\alpha \geq$	30	
Weight	2 kg	1.5 kg



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SAKOP BYTOM Sp. z o.o.

MANUFACTURING, SERVICE AND TRADE COMPANY
FOR MINING TECHNOLOGIES
41-908 BYTOM, 17 Stolarzowicka St.
tel./fax 032 / 280-53-67; 280-67-00; 280-70-02; 280-73-52;
e-mail– sakop.bytom@sakop.pl. **www.sakop.pl**