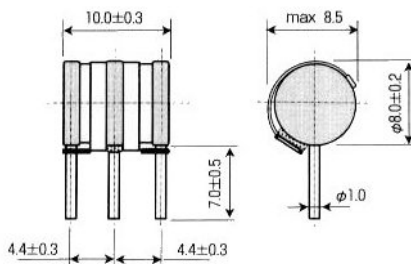


3 Pole Gas Tube Surge Arrester

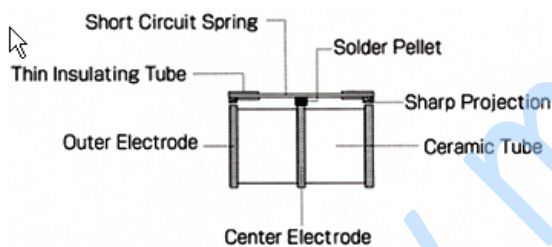


905035

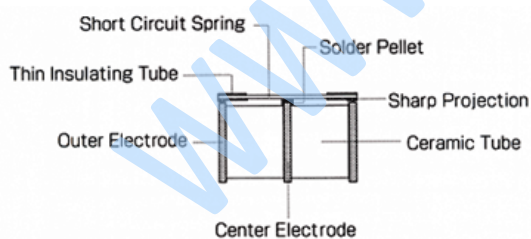
3 Pole Gas Tube Surge Arrester



Dimensions



Arrester before operation



Arrester after operation

SANKOSHA Gas Tube Arresters are designed with surge limiting voltage characteristics within a defined level. Circuits, equipment, and personnel are protected from abnormally high transient voltage cause by lightning, accidental contact with power lines, or electro-magnetic induction by the sparkover that occurs in the gas chamber at the given voltage.

Type 3YVH Ceramic arresters consist of three electrodes and an opening in the center electrode allows the two gaps of the arrester to gas chamber. When a sparkover occurs in one end of the arrestors an almost simultaneous sparkover occurs in the other end. This simultaneous discharge minimizes the current surge in the protected lines.

Electrical Characteristics

Characteristics	3YVH-230AF5
1. DC spark-over voltage (100V/s)	220V ± 20%
2. Impulse spark-over voltage (1kV/s)	≤ 650V
3. Insulation resistance (100V,DC)	≥ 100GΩ
4. Capacitance (1MHz)	≤ 5pF
5. DC Holdover voltage (ITU-T K.12/Test 3 135V)	≤ 150 ms
6. Impulse Life (10/1000μs, 10KA x 2)	300 times
7. Impulse discharge current (8/20μs, 10KA x 2)	10 times
8. AC discharge current (50Hz 1 sec)	5 times
** After test of item 6, 7 and 8	
1. DC Spark - Over Voltage (100V/s)	220V ± 20%
2. Impluse Spark - Over Voltage (1kV/μs)	≤ 650V
3. Insulation Resistance (100VDC)	≥ 100GΩ

* Test method shall complied with CCITT K. 12

Order No.

Description

103323	3 Pole Gas Tube Surge Arrester
--------	--------------------------------

