



Electrical/Environmental Specifications

Maximum Peak Surge Current (all phases): 40KA

Maximum Clamping Voltage Level at 40KA (all phases): 1650VDC

Start Clamping Voltage Level at 1 ma (all phases): 430VDC

Accelerated Life Test: 13KV, 1.2/50 usec. open circuit, 5.5KA, 8/20 usec. short circuit, 100 surge cycles, six seconds apart. No failure or arcing allowed.

Surge arresters still in excellent condition at end of tests; no arcing.

Temporary Overvoltage: 368VAC

Continuous, five minutes, maximum line voltage without thermal runaway.

End of Life Failure Mode: While in overvoltage-induced thermal runaway, apply 7KA at operating voltage. Surge arrester must fail-safe without faulting the AC line. No arcing allowed.

Surge Arrester fails safe-surge element punctures, safety fuse opens, LED turns off, no fire, slight puff of smoke out connector wire opening. AC line not faulted; no arcing.

Enclosure Flammability: 9600-degrees C, UI. 94 VI (550-degrees C or greater)

Ultra-Violet Resistance: Good UV stability in tropical conditions

Thermal Withstand: 80-degrees C

Salt-Fog Corrosion Resistance: Very good

Enclosure Dimensions: 12 inches x 10 inches x 4 inches

Recommended "Hole Size" for Mounting Connector: 1.12 inches