Omaha Public Power District

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