

Cable Innovations
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Application Note
DWG# 11090244
Subject: Drop surge protection

DIFFERENCES BETWEEN GAS TUBE & SIDACTOR (solid state) SURGE PROTECTION

Sidactor

Gas tube

Response Time	1 ns less voltage let through	Variable, usually 5000 ns
Reliability	Does not degrade	Degrades every time it takes a hit
Life span	Unlimited	Shortens every time it takes a hit
Clamping Voltage	Low clamping voltage	Higher clamping voltage Therefore more voltage let through
Current Handling	1000 Amps	Usually 20,000 amps reduces each time it takes a hit Continuous small transients can reduce current handling quickly

Ver 2.2