

# DC Power Surge Arrester



## Ordering Model Code

SCN-AR-DCNPWR

## Features

**SCN-AR-DCNPWR DC Power Surge Arrester** is used to protect 4~20mA DC Line including DC Power Supply from the damaging effects of over-voltage transients caused by lightning or switching events of electrical equipment.

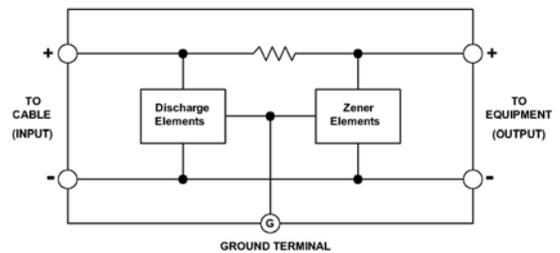
Circuits are composed of sensitive elements of TVS (Transient Voltage Suppressor) and GDT (Gas Discharge Tube) which are connected to the communication line in serial and parallel. These are functioning like High Impedance which does not effect on the measured signals at the normal operating condition of the device.

- For DC Power
- Double Protection Circuits
- Protection Mode: 3 Modes (L1-L2, L1-G, L2-G)

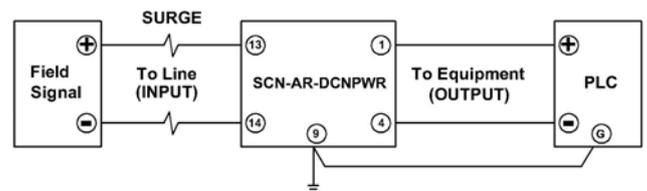
## Specifications

Item	Specifications
<b>Nominal Impulse Discharge Current</b>	20kA / mode (8 x 20 uS) 60kA / Total (8 x 20 uS)
<b>Response Time</b>	1 nsec or less
<b>Internal Serial Resistance</b>	Approx 5 Ohms 2 wire including return
<b>Discharge Voltage</b>	60V ~ 70V or more
<b>Maximum Line Voltage</b>	62V DC
<b>Maximum Load Current</b>	100mA
<b>Rated Voltage</b>	48V DC
<b>Current Leakage</b>	100μA or less
<b>Ambient Temperature and Humidity</b>	-40°C ~ 80°C 90% RH
<b>Elements Used</b>	UL Certified
<b>Featured Function</b>	Automatic Return after Surge Inflow
<b>Case Material &amp; Color</b>	Flame-resistant Resin / Black
<b>Mounting</b>	Plug-in Type Base & Body Separable
<b>Weight</b>	100g
<b>Dimensions</b>	22(W) x 75(H) x 85(D) mm

## Block Diagram



## Terminal Connection



## Dimensions

