



ACT SS64 & SS65 Data / Signal Line Protector

Industrial Data Protection Device

The ACT SS64 & SS65 Stainless steel Pipe enclosed protection device is designed to protect data and signal lines in the most harshest industrial environments.

This hybrid device combines the strength of gas tube protection with silicon avalanche technology as used by Bell Labs for over 30 years. In rush current protection is provided by resettable fuses (PTC). This means accidental fault current does not destroy

This unit is fully encapsulated and is waterproof inside a stainless steel pipe.
Two Protection Styles:

The SS64 is a two wire protector.
The SS65 is a two wire and ground protector.

ACT SS64 & SS65 Data / Signal Line Family

RECCOMENDED LOCATIONS

- **Waste Water Treatment Facility**
- **Petroleum Locations**
- **Outdoor Alarm systems**
- **Electronic Lock locations**
- **Cell Sites,**
- **Well Pumps**

FEATURES AND BENEFITS

- **2Modes of Discrete Protection (SS64 = T-R; SS65 = T-R & G)**
- **Two mounting applications: End to End and End to Cap configuration**
- **Multi-Stage Hybrid (Gas Tube & Diode) Technology**
- **5 –Year Standard Warranty**

STANDARDS MET

- **Safety tested to UL487B**
- **ANSI/IEEE C62.41, C62.45**

3rd PARTY TESTED

- **Survives 1,000 (C2 6kV / 500A)**

Contact Us:

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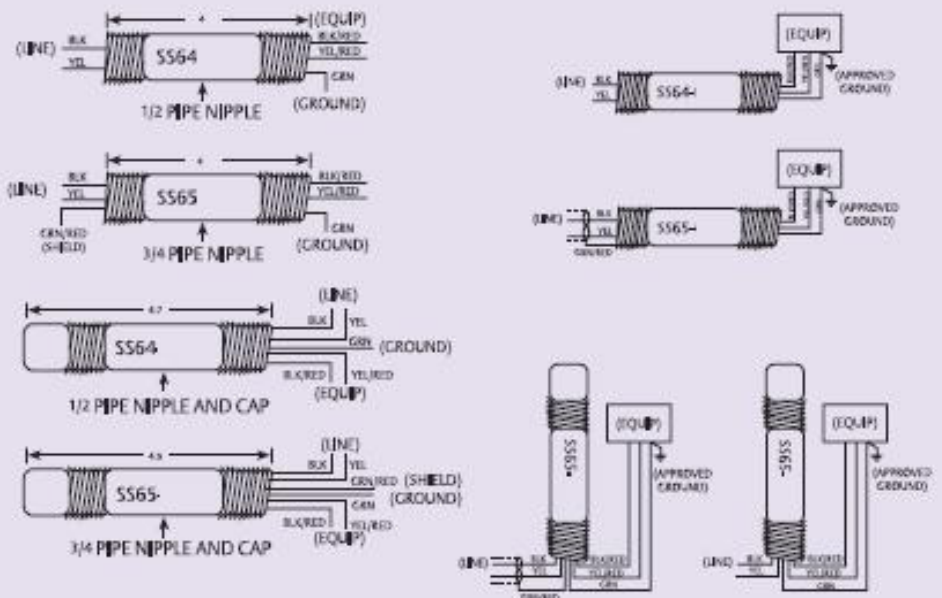
ACT SS64 & SS65 Series Data / Signal Protection Family

TECHNICAL INFORMATION

General Technical Specifications

Response Time	< 1 Nanosecond
Maximum Signal Voltage	28 V Max
DC Clamping Level (L-G)	36 V ±10%
DC Clamping Level (L-L)	72 V ±10%
Peak Surge Current	10 kA (8x20 µs)
Maximum let-thru Voltage:	
Line-to-Ground (10x700 µs)	44 V @ 400 A
Maximum let-thru Voltage:	
Line-to-Line (10x700 µs)	90 V @ 400 A
Series Resistance (per conductor)	5V (typical)
Capacitance:	
(Zero Volts Bias)	(L-L) 600 pf typical (L-G) 1200 pf typical
Number of Occurrences	
	400 @ 500 Amps (10x1000 µs)

Typical Applications



Caution: The hybrid design of this product includes series resistance. Do not place this product in service on any signal lines capable of supplying more than 150 milliamperes continuously.

PART NUMBERS

ACT SS64-036-10-01 Dual line 10kA surge data protector in 1/2" pipe end to end

ACT SS64-036-10-02 Dual line 10kA surge data protector in 1/2" pipe Capped end

ACT SS65-036-10-01 Dual line with Ground 10kA surge data protector in 3/4" pipe leaded end to end

ACT SS65-036-10-02 Dual line with Ground 10kA surge data protector in 3/4" pipe capped leaded end

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