

Features

- Protects subscribers and equipment from destructive power crosses and lightning surges
- Compact size fits subscriber network interface devices
- Reduces frequency of service calls
- Increases reliability of network operation



- Reduces cost of network maintenance
- ① Listed per 497 C
- Patent # 5,508,873 (U.S.); #2,169,604 (Canada)

1740 Series - Coaxial Surge Protector

75 Ohm Powered & Unpowered Coax DC to >1 GHz

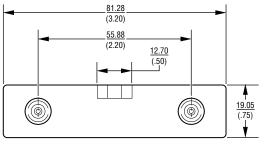
The Bourns 1740 Series of Primary Broadband Coaxial Surge Protectors is designed for Network and other high frequency applications. The 1740 Series provides protection against surges on 75 ohm coax subscriber drops and has a fail-short mechanism in the event of dangerous power-crosses. The protector will pass bidirectional signals over the bandwidth from DC to in excess of 1 Ghz. Its cast-metal housing and environmentally sealed design will withstand the toughest Outside Plant applications.

Characteristics

Min. Band Width/Frequency Characteristics Connectors, Input & Output	DC to 1.0 GHz F-Type (female	DC to 1.25 GHz F-Type (female)
Characteristic Impedance		
Transmission/Insertion Loss (Max.)		
Return Loss (Max.)		
VSWR (Max.)	1:1.22	1:1.57
Min Fail-Short, Power Cross & Sustained		
60 Hz Current Capability		
1000 Vrms Open-Circuit Voltage, 25 °C	30 Arms Line to Ground	15 minutes
	60 Arms Line to Ground	5 seconds
	120 Arms Line to Ground	5 seconds
	350 Arms Line to Ground	200 mseconds
Capacitance		
Insulation Resistance	100 V	>108 Ω
Operating Temperature		
Storage Temperature	55 °C to 85 °C (-67 °F to 185	°F)55 °C to 85 °C (-67 °F to 185 °F)

Model No.	SURGE PROTECTION CHARACTERISTICS							IMPULSE RESET
	Typic	Typical Impulse Service Life,		e, Lightning So		Service Life, AC, 60 Hz		52.5 Vdc
	DC Breakdown @ 100 V/Sec (Volts)	Breakdown @ 100 V/µs (Volts)	100 A 10/1000 μs (Operations)	5 kA 8/20 μs (Operations)	20 kA 8/20 μs (Operations)	5 A 1000 Vac 1 sec (Operations)	10 A 1000 Vac 1 sec (Operations)	@ 260 mA 135 Vdc @ 200 mA (Millisec)
1740-15	150 ±20 %	350	1000	10	1	20	10	<150
1740-23	230 ±20 %	450	1000	10	1	20	10	<150
1740-35	350 ±20 %	650	1000	10	1	20	10	<150

Product Dimensions



12.70 (.50) 38.10 (1.50) 9.40 (.37)



WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

REV. P 02/23

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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