

Features

- Balanced TRIGARD® protection
- ເ**(ڸ∟)**us UL Listed per UL 497 (File: E53117)
- Reliability is improved by elimination of the air Back-Up-Gap (BUG)
- Extended service life
- Quick response
- High current handling



155G Series Heavy-Duty Station Protector

Bourns® Model 155G Balanced Gas Discharge Tube Protector is an economical choice for protecting copper pair voice-band and high-speed data circuits. The 155G utilizes Bourns® proprietary Gas Discharge Tube for extended surge life and a patented Switch-Grade Fail-Short mechanism for thermal overload protection.

Bourns® P/N 2378-35-G can be used universally for POTS and high speed data, such as ADSL, ADSL2+, VDSL, VDSL2, other xDSL protocols and high-speed Ethernet. Bourns® MSP® technology provides unparalleled overvoltage protection with low loss on paired copper communications circuits. The Model 155G is a reliable and economical choice for overvoltage protection of paired copper communications circuits. It exceeds all Cat5 requirements.

Characteristics

Test Methods per IEEE C62.31, UL 497, RUS PE-80, CSA C22.2, Telcordia GR 974 and 1361.

DC Breakdown		
AC Breakdown	60 Hz	300-500 V
Impulse Breakdown	100 V/µs	625 V
	1000 V/μs	875 V
Insulation Resistance		
Insertion Loss	100 MHz	Exceeds Category 5
Return Loss	100 MHz	Exceeds Category 5
Capacitance Tip or Ring to Ground - Binding Post	1 MHz	3.5 pF typical
Impulse Reset ¹		
	135 V, 200 mA	< 10 ms
	150 V, 200 mA	
Impulse Life Characteristics		
(Tip and Ring to Ground, Simultaneously)	100 A, 10/1000 µs	> 300 operations
	300 A, 10/1000 µs	
	500 A, 10/1000 μs	> 400 operations ²
	2,000 A, 10/250 μs	
	5,000 A, 20/100 μs	
	20,000 A, 8/20 μs	> 1 operation
AC Life Characteristics	0.5 A rms continuous	> 30 seconds
(Tip and Ring to Ground, Simultaneously)	1 A rms, 1 second, 600 ft. cable	> 60 operations
	1 A rms, 1 second, 1 mile cable	
	10 A rms, 1 second	
	65 A rms, 11 cycles	•
	120 A rms, 0.1 second	
High Current Capability and Thermal Operation		> 30 Å rms, 15 min.
(Tip and Ring to Ground, Simultaneously)		,
Storage and Operating Temperature		55 to +85 °C

Notes:

- ¹ Network applied.
- ² Per RUS PE-80.

Line to Line voltage is approximately 1.8 to 2 times the stated Line to Ground breakdown voltage.



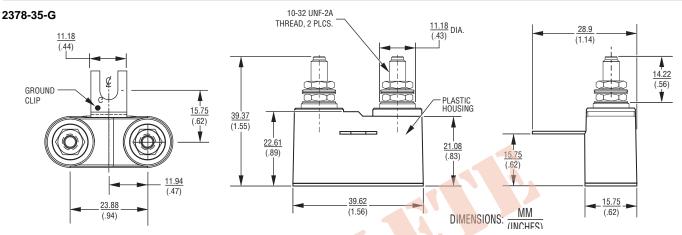
Features (Continued)

- Compact, industry standard footprint
- Meets test requirements of Telcordia GR 974, GR1361, SR 5165 and RUS PE-80
- Telcordia Analysis report DA-1843

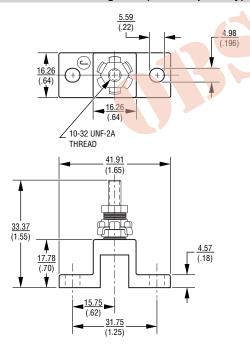
155G Series Heavy Duty Station Protector

BOURNS®

Product Dimensions



2372-02 Ground Mounting Stud (Order Separately)



How To Order

Model 155G Order by Part Number 2378-35-G

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REV. C 10/25

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