




Features

- Balanced TRIGARD® protection
-  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



This series is currently available but not recommended for new designs.

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	300-500 V	
AC Breakdown.....	60 Hz 300-500 V	
Impulse Breakdown.....	100 V/ μ s 625 V	
	1000 V/ μ s 875 V	
Insulation Resistance	100 Vdc > 1 G Ω	
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	52 V, 260 mA < 10 ms	
	135 V, 200 mA < 10 ms	
	150 V, 200 mA < 150 ms	
Impulse Life Characteristics	10 A, 10/1000 μ s > 3000 operations	
	(Tip and Ring to Ground, Simultaneously)	100 A, 10/1000 μ s > 300 operations
	300 A, 10/1000 μ s > 100 operations	
	500 A, 10/1000 μ s > 400 operations ²	
	2,000 A, 10/250 μ s > 25 operations	
	5,000 A, 20/100 μ s > 2 operations	
AC Life Characteristics	20,000 A, 8/20 μ s > 1 operation	
	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 > 60 operations	
	10 A rms, 1 second..... > 5 operations	
65 A rms, 11 cycles..... > 1 operation ²		
120 A rms, 0.1 second..... 1 operation		
High Current Capability and Thermal Operation	> 30 A 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.



WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

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Features (Continued)

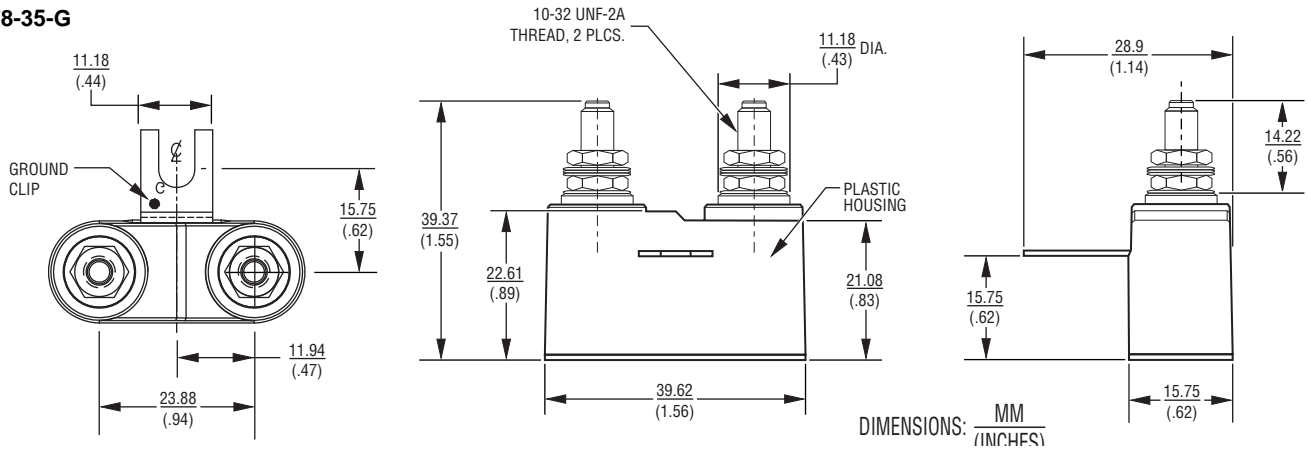
- Compact, industry standard footprint
- Meets test requirements of Telcordia GR 974, GR1361, SR 5165 and RUS PE-80
- Telcordia Analysis report DA-1843

155G Series Heavy Duty Station Protector

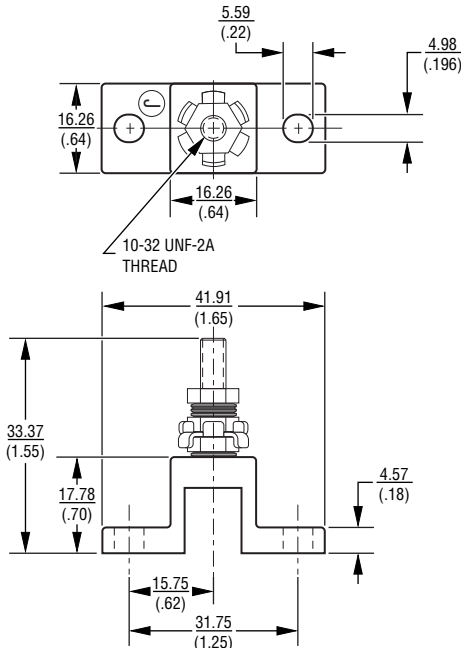
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Product Dimensions

2378-35-G



2372-02 Ground Mounting Stud (Order Separately)



How To Order

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

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