Submittal Spec Sheet

Eaton® Innovative Technology® IT-RSS Models Surge Protective Devices

Introduction

Since 1980, Eaton's Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton's Innovative Technology has a Surge Protective Device to fill it!

General Features

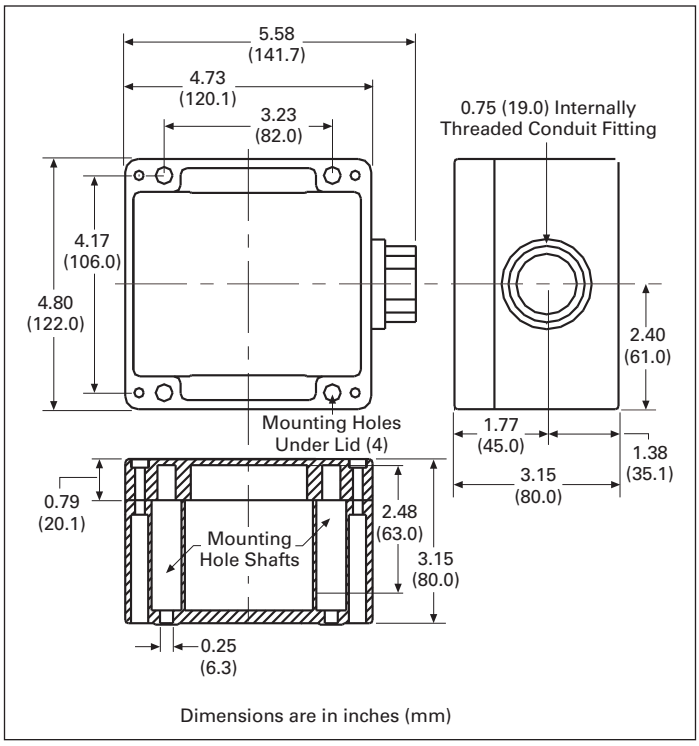
- Description — Parallel configured, hard wire connected, 40 kA per phase, 80 kA total peak surge current capacity, Transient Voltage Surge Suppression Device
- Application — Office and residential service entrance locations feeding various types of loads
- Warranty — Ten-Year Free Replacement
- Unit Listings — Recognized components under UL®1449 Second Edition and cUL®
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features

- Enclosure — Aluminum, NEMA® 4 (IP66) weatherproof enclosure (meets and exceeds NEMA 12, 13 and 3R ratings)
- Connection — #10 stranded wire
- Weight — ≈ 5 lbs (2.2 kg)
- Operating Temperature — -40°F (-40°C) to +140°F (+60°C)
- Circuit Design — Bi-directional, internally fused, parallel configured **T**hreshold **S**uppression **N**etwork (TSN)
- Input Power Frequency — 50 – 420 Hz (60 Hz nominal)
- Response Time — ≤1 nanosecond
- EMI/RFI Attenuation — Up to 38 dB normal mode, up to 41 dB common mode
- Protection Modes — All Mode: L-L (normal mode), L-G (common mode)
- Circuit Diagnostics — Super-bright LED indicator, normally on
- Circuit Interrupt — Reference installation instructions for details

Optional Features and Equipment

- Flush Mount Plate available (ZPLATE-10)



Dimensions are in inches (mm)

Performance Data

			ANSI/IEEE C62.41-1991 Measured Limiting Voltage*		UL SVR	
			B3/C1 Impulse 6 kV, 3 kA 90° Phase Angle		UL 1449-2 Suppressed Voltage Ratings	
Model	**System Config**	**Nominal System Voltage**	**L-G**	**L-L**	**L-G**	**L-L**
IT-RSS	Split-Phase 2w + grnd	100/200, 110/220, 120/240, 127/254	550	950	400	800

*Test environment: All modes tested dynamic positive polarity. Time base = 1 ms. All voltages are peak (±10%), time base = 1 ms./div., voltages are measured from zero crossing. All tests performed with 6" (152.4 mm) lead length, simulating actual installation.

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