

### 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, hardwire connected, Transient Voltage Surge Suppression device for dc power systems
- ANSI/IEEE C62.41 Location Categories — A, B and C
- Application — Medium and low exposure level dc power distribution systems
- Warranty — Five-Year Free Replacement
- 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)
- Mounting — Internally threaded conduit fitting and/or multi-point mounting holes (mounting feet optional), flush-mount faceplate available separately
- Connection — #10 stranded wire
- Weight — ≈ 1.3 kg (3 lbs.)
- Operating Temperature — -40°C (-40°F) to +60°C (+140°F)
- Peak Surge Current — XT-48DC: 24 kA per mode, XT-125DC: 40 kA per mode
- Response Time — ≤1 nanosecond
- Circuit Diagnostics — LED indicator, normally on

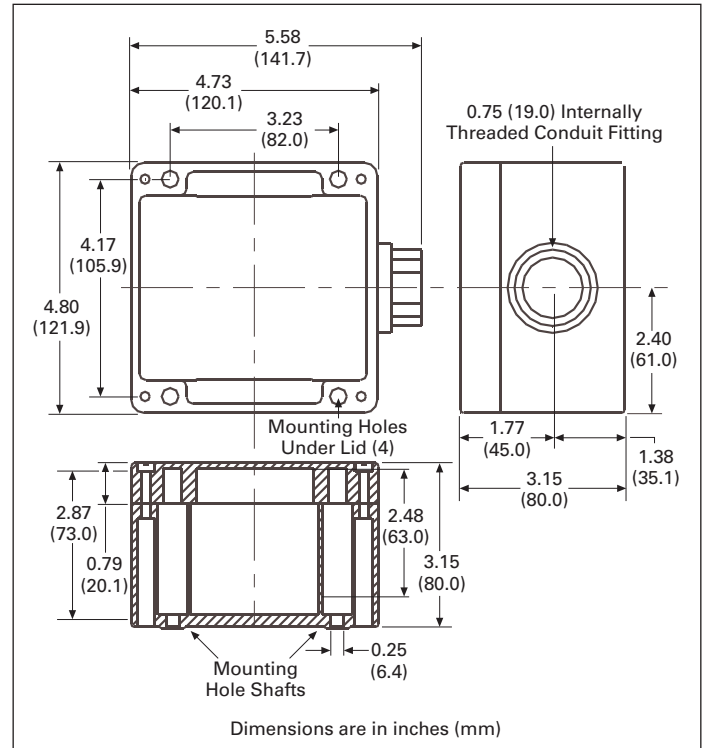
### Performance Data

ANSI/IEEE C62.41-1991 Measured Limiting Voltage

Available Models	Test Mode dc	Nominal System Voltage	A1 Ring Wave 2 kV, 67 A	B3/C1 Impulse 6 kV, 3 kA	C3 Impulse 20 kV, 10 kA
XT-48DC	Pos-Neg	48 Vdc, MCOV 65 Vdc	< 100	< 300	< 600
XT-125DC	Pos-Neg	125 Vdc, MCOV 200 Vdc	< 300	< 800	< 1500

### Optional Features and Equipment

- Surge Counter Relay (-CR suffix) — Relay contact rated: 0.5 A @ 125 Vac/60 Vdc, 1 A @ 24 Vdc max, min. 0.5 second activation per registered event. The relay output will cycle on then off when a surge event occurs. The relay will cycle on for a minimum of 0.5 seconds. The relay will automatically cycle off after a maximum of 1.5 seconds, or for the duration of the surge event, whichever is longer. The surge event trigger voltage level is fixed at 70 Vdc for the XT-48DC, and 150 Vdc for the XT-125DC.



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**Eaton Corporation**  
**Innovative Technology TVSS Products**  
 1000 Cherrington Parkway  
 Moon Township, PA 15108-4312  
 USA  
 Phone: 1-800-525-2000  
 Web: www.itvss.com

ISO 9001

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