

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 — Telecommunication line transient voltage surge suppression devices
- Application — Standard 3002/C2 unconditioned voice grade lines, fax, modem and ISDN lines
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features

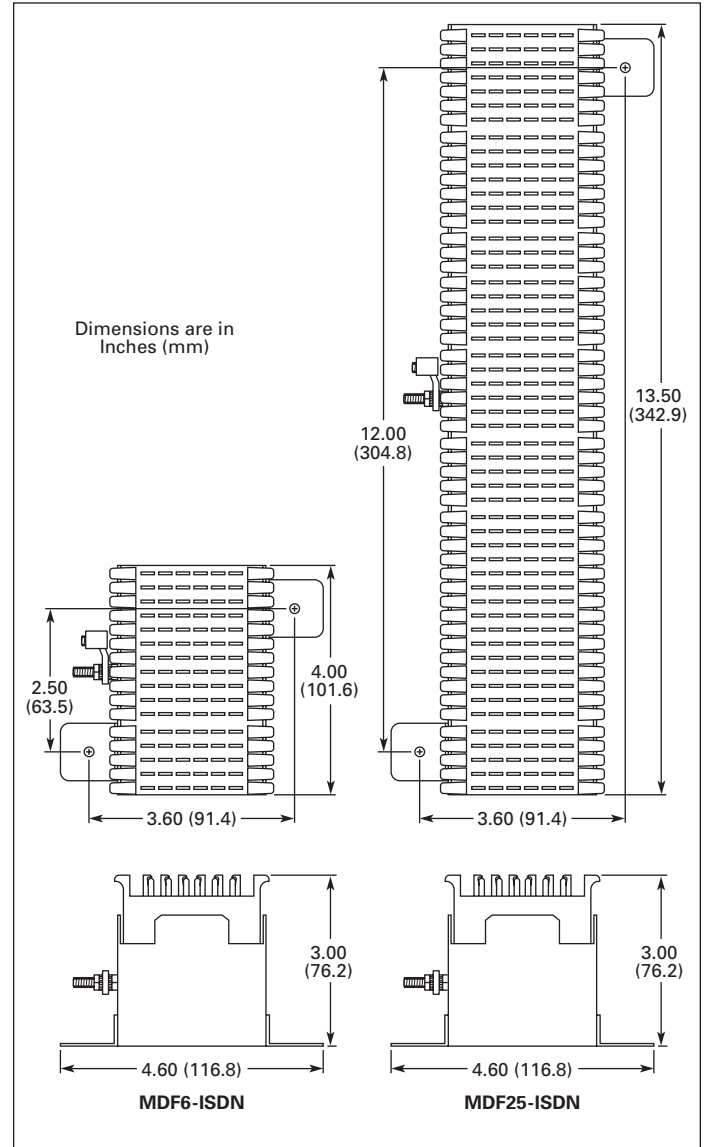
- Enclosure — Metal bottom section with ABS plastic terminal housing upper half
- Connection —
 - Lines: Type 66 punchdown block terminal #22 – 26 AWG (0.3 – 0.13 mm²)
 - Ground: 10/32 lug with wire clamping box terminal #6 – 12 AWG (13.3 – 3.3 mm²)
- Weight —
 - MDF6-ISDN ≈0.5 lb (0.9 kg)
 - MDF25-ISDN ≈5 lbs (2.2 kg)
- Operating Temperature — -40°F (-40°C) to +140°F (+60°C)
- Circuit Design — Series wired, parallel configured low capacitance signal path
- Data Rate — Up to 100 kbps
- Protection Modes — All Modes. Normal mode: tip-ring, Common mode: tip-ground and ring-ground
- Response Time — ≤1 nanosecond
- Maximum Continuous Operating Current — 130 Vrms (183 Vpk) tip-ring, tip-ground and ring-ground
- Peak Surge Current — 30 kA per pair; 10 kA per line

Performance Data

IEC 10 x 700 μS Impulse Measured Limiting Voltage*

Test Mode	500 V	1 kV	2 kV
L-G	286	299	311
L-L	285	299	310

* Test environment: static, positive polarity. All voltages are peak (±10%), time base = 1 ms.



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