

### Introduction

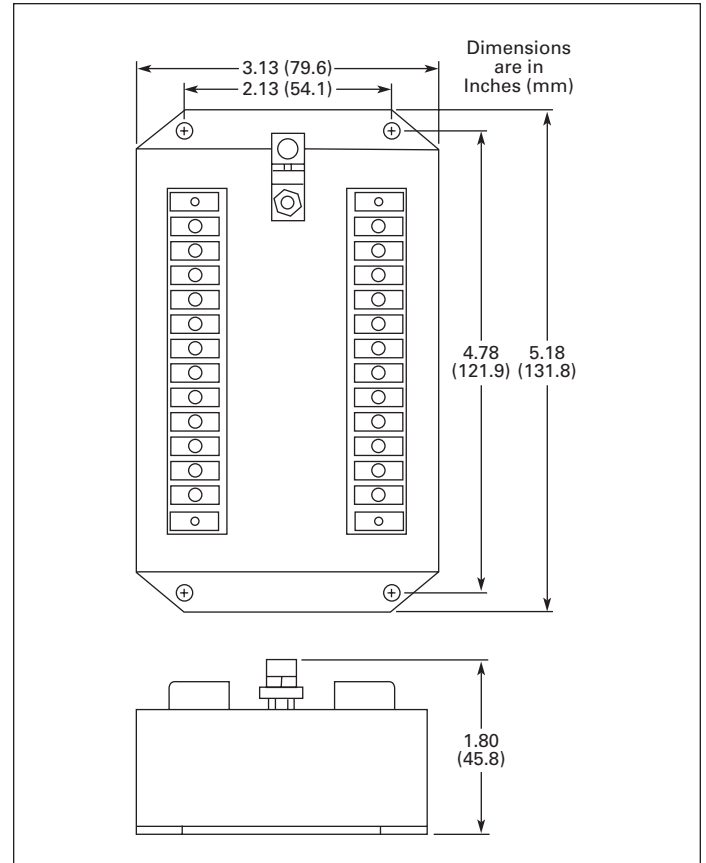
Since 1980, Eaton's Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton's Innovative Technology has a Surge Protective Device to fill it!

### General Features

- Description — dc voltage system Surge Protective Device
- Application — dc voltages up to 30 Vdc, solenoid, electronic control circuits
- Warranty — 5-Year Free Replacement
- Manufacturer Qualifications: ISO® 9001:1994 Quality System Certification BSI FM 30833

### Mechanical and Electrical Features

- Enclosure — ABS Plastic UL® 94V-0 with integral multi-point mounting feet
- Connection —
  - Lines: 12 terminal wire clamping box terminal strips, #14 (2.5 mm<sup>2</sup>) wire max., not polarity sensitive
  - Ground: 10/32 lug with wire clamping box terminal #6 – 12 AWG (16 – 4 mm<sup>2</sup>)
- Weight — ≈ 1 lb (0.45 kg)
- Operating Temperature — -40°F (-40°C) to +176°F (+80°C)
- Protection Modes — All modes (Normal mode and Common mode)
- Response Time — ≤1 nanosecond
- EMI/RFI Attenuation —
  - Normal mode: 3 dB @ 422 kHz, max 43 dB @ 67 MHz
  - Common mode: 3 dB @ 8.5 MHz, max 32 dB @ 51 MHz
- Maximum Continuous Operating Voltage — 31 Vdc – line-line and line-ground
- Peak Surge Current — 2 kA per mode, 6 kA per pair
- Maximum Continuous Operating Current — 5.0 Amp @ 25°C
- Frequency Range — 0 kHz – 422 kHz
- Maximum Data Rate — 42 kbps
- Capacitance — 17 – 18 µf (L-L), (L-G)



### Performance Data

CCITT Rec. K17  
Measured Limiting Voltage

Mode	10/700 µS Impulse 2 kV
L-G	57
L-L	57

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ISO 9001

