

PC642 Series

PEMCO



Features:

- 3 Stage Hybrid Protection
- Sneak/Fault current Protection
- Resettable Fusing - PTCs
- Low Capacitance Option
- Plug-in Module
- 5 year warranty

Explanation

The PC642 Series Surge Suppressor is a two-pair (four-wire) module implementing three-stage hybrid technology. This module addresses over-voltage transients with gas tube and silicon avalanche components. In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTRs increase resistance several orders of magnitude when over-currents exceed safe levels. A normal state resumes when over-currents are removed. The ability to self-restore in this manner significantly increases suppressor performance and survivability.

The PC642 card edge module is gold-plated, double-sided, and is designed to mate with the PCB1B-WKEY gold-plated female terminal connector. When snapped together, the data circuits “pass thru” the protector in a serial fashion from the four “Field Side” terminals to the four “Electronics Side” terminals. Terminals 1 or 10 of the PCB1B must be attached to Building-Approved Ground.

Technical Specifications

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| (MCOV) Max Continuous Operating Voltage | 5-250 VDC |
| Clamping Voltage | 8-300 VDC |
| Operating Current | 150 mA |
| Peak Surge Current | 10 kA (8x20) |
| Frequency Range | 0 - 20 MHz |
| Insertion Loss | < 0.1 dB at 20MHz |
| SPD Technology | GDT, SAD, w/Series PTC |
| Connection Type | Terminal Block; Compression lugs 10AWG |
| Operating Temperature | -40 C to +85C |
| Size | 2” x 1” x 2.5” |
| Weight | 1 oz |
| Certifications | UL497B |

Order information

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|--------------|----------------|
| PC642 - 008 | PC642 - 008LC |
| PC 642 - 036 | PC 642 - 036LC |
| PC642 - 043 | PC642 - 043LC |
| PC642 - 200 | PC642 - 200LC |

Installation Base
PCB1B

