



# 5 Wire Data/Signal Line Protection — PC642C-xxxLC-APD



The PC642C-008LC-APD & PC642C-015LC-APD are designed for 5 wire applications where a send pair, a receive pair and a common wire all need protection. The PC642 card edge module is gold-plated, double sided and is designed to mate with the PCB1B gold-plated female terminal connector.

Electrically, the PC642 module incorporates hybrid suppression technology. The circuitry can be utilized as described in the diagram below.

## FEATURES

- Lightning Protection for Low Voltage Data Signal Lines
- Multi-Stage Protection
- Differential Mode protection
- Common Mode Protection
- Low Capacitance
- Plug-in Module
- Fast Response Time

## CAUTION

The hybrid design of this product includes series resistance. Do not place this product in service on any signal lines capable of supplying more than 150ma continuously.

## SPECIFICATIONS

Peak Surge Current (10 times):

8 x 20 $\mu$ s.....10kA  
 10 x 700 $\mu$ s.....500A per line

Life Expectancy:

8 x 20 $\mu$ s (2000A).....> 100 occurrences  
 10 x 700 $\mu$ s (400A).....> 100 occurrences

Response Time.....< 1 nanosecond

Voltage Clamp.....8 or 15

Technology.....SAD Hybrid

Series Resistance.....5 $\Omega$  typical

Capacitance (average).....50pf

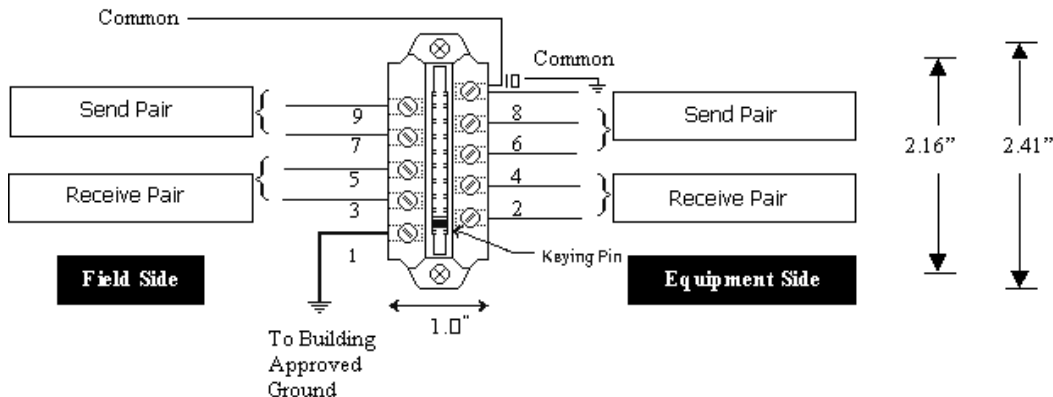
Operating Temperature.....-40 $^{\circ}$ C to + 80 $^{\circ}$ C

Weight.....2.0 oz.

Dimensions (PC642 & PCB1B)

H x W x L.....1.8" x 1.0" x 2.4"

WIRING DIAGRAM FOR EDCO # PC642C-008LC-APD & PC642C-015LC-APD



NEED HELP? Call 1-800-648-4076

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