



EDCO PCB1B BASE SOLD SEPARATELY

Edco™ PHC Series Two-Pair Signaling Circuit Protector (Modular)

The Edco PHC Series is designed to protect two pairs of wires specifically for alarm and security systems where operating currents can be as high as 5 amps. Electrically, the Edco PHC Series is a rugged series hybrid implementing a staged complement of MOVs, copper wound inductors and Silicon Avalanche Diodes. This design reduces series resistance to 0.2 Ohms per pair. These products are intended to mate with an Edco PCB1B gold-plated female terminal connector.

The Edco PHC modules plug into a base assembly (Edco PCB1B). The base assembly can be mounted to any flat surface and should be located as close as practical to the protected equipment. Terminal 1 and/or terminal 10 should be connected to Building-Approved Ground with 12- or 10-gauge solid wire.

Features

- Three-stage protection
- Differential protection
- Common mode protection
- Plug-in module
- Automatic recovery
- Fast response time
- Continuous current up to 5 Amps
- UL 497B listed
- Requires Edco PCB1B base
- Order PC642PTU – an invaluable troubleshooting tool
- 5 year warranty

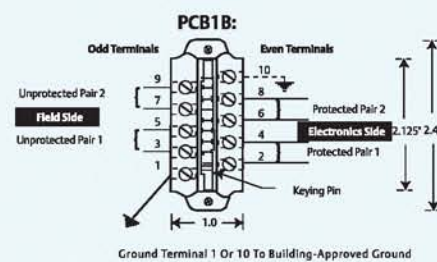
General Technical Specifications

Maximum Operating Voltage	12, 18, 24, 36, 52, 70, 120 VDC
Clamping Voltage	15, 20, 30, 43, 60, 100, 150 VDC
Operating Current	5A
Peak Surge Current	10 kA (8 x 20 μs)
Frequency Range	0 to 10 MHz
Insertion Loss	<0.1 dB at 10 MHz
SPD Technology	MOV, SAD, w/Series Inductor
Connection Type	Terminal Block w/Compression Lugs Terminals Accept Up To 10 AWG
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	3.7H x 1.75W x 2.375L (PHC + PCB1B Base)
Weight	8 oz
Certification	UL 497B

Applications Part Number

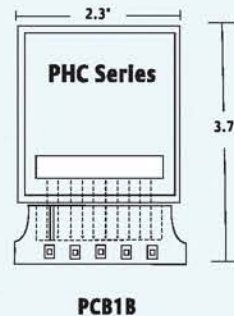
24V Horn, Strobe, Bell	PHC-043 & PCB1B
70V Speaker Lines	PHC-SP70 & PCB1B

Terminal Assignments



DO NOT daisy chain grounds. NOT intended for shield termination. Install ground in accordance with all applicable codes.

Dimensions



Ordering Information

How To Specify The Appropriate Model

PHC	Voltage Clamp
015	15 Volts
020	20 Volts
030	30 Volts
043	43 Volts (For Horn, Bell, Strobes)
060	60 Volts
SP70	*100 Volts
130RMS	*150 Volts (For 120V Signal Lines)

*Not UL Listed

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