

# Edco PB Series

Intercom/Speaker Punch Block Protection

■ Power Switching & Controls  
For Business-Critical Continuity™

The Edco PB modules are solid-state protectors for Intercom Extension Pairs. As a new alternative to the “OPX,” the standard Edco intercom protector, the PB adds fusing and a new component layout. These hybrid protectors are intended to be used in conjunction with the Edco MGBW-LUG ground rail and a standard M1-50 punch down block. The PB modules feature solid-state resettable fuses (PTCs) between the protected equipment and the over voltage clamping components. This unique design prevents problems with “All-Call” in the event of catastrophic protector failure.

## General Technical Specifications

Operating Voltage	PBCLN=12 VDC, PBSPK=56 VDC
Clamping Voltage	PBCLN=21 VDC, PBSPK=70 VDC
Operating Current	0.15 A
Peak Surge Current (10 x 1000 $\mu$ s)	PBCLN = 0.2 kA PBSPK = 0.5 kA
Frequency Range	0 to 20 MHz
SPD Technology	PBCLN=SAD w/Series PTC PBSPK=MOV w/Series PTC
Insertion Loss	< 0.1 dB at 20 MHz
Connection Type	Clip
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	1.25H x 0.4W x 2.8L
Weight	1 oz
Certifications	UL 497B



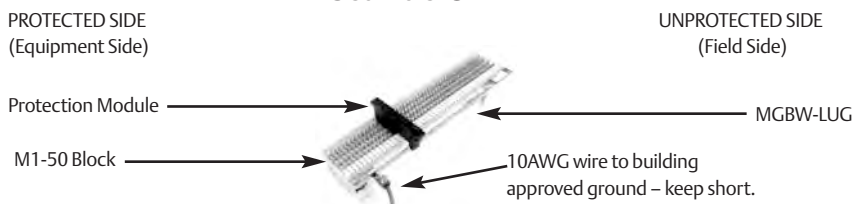
## Features

- Over current protection
- Replaces bridging clips on M1-50 block
- UL 497B listed
- Utilizes MGBW-LUG grounding rail
- 5 year warranty

## Ordering Information

Call-In Circuit	PBCLN
Speaker Circuit	PBSPK

## Installation



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

**Emerson Network Power.**  
The global leader in enabling  
*Business-Critical Continuity™*.

- AC Power
- Embedded Computing
- Infrastructure Management & Monitoring
- Thermal Management
- Connectivity
- Embedded Power
- Outside Plant
- Racks and Integrated Cabinets
- DC Power
- Industrial Power
- **Power Switching & Controls**
- Services

Emerson Network Power Contact information

### Headquarters

Surge Protection  
100 Emerson Parkway  
Binghamton, NY 13905  
T: (607) 721-8840  
T: (800) 288-6169  
F: (607) 722-8713  
E: SurgeTech@Emerson.com

[www.EmersonNetworkPower.com/Surge](http://www.EmersonNetworkPower.com/Surge)

