

# **PBS PANELBOARD WITH INTEGRAL SURGE PROTECTION**



## **Features**

### **UL 1449 2nd Edition, CSA, UL 67 and UL 1283 Listed**

#### **Linear Array Design**

Distributes and shares transient energy among the MOVs

#### **Modes of Protection**

Normal mode (L-N, L-L) and common mode (L-G, N-G)

#### **Individual MOV Fusing**

Ensures uninterrupted protection at high surge current levels with fusing coordinated to MOV capacity

#### **MCOV Greater than Line-to-Line Voltage**

Utilizes LEA's unique ISMT (Inherently Safe MOV Technology) Provides continuous, safe protection during extreme overvoltages

#### **Integral Conductor Interconnection**

Reduces impedance for maximum clamping performance

#### **Hard-wire or Direct Bus Connection**

Provides installation convenience and ensures maximum performance

#### **LED Indicator Lights**

Provides visual indication of protection status

#### **Capacitive Filtering**

Provides an extended range filtering system to reduce noise

#### **COMPATIBLE WITH ANY TYPE PANELBOARD**

Provides universal capability with GE, Square D, Siemens and Cutler/Hammer type panelboards

#### **TUB Ahead Delivery Option**

Provides faster lead times

#### **Repetitive Impulse Tested**

Ensures maximum performance and longevity  
(Category C3 impulses per ANSI/IEEE C62.41 – 1991 and ANSI/IEEE C62.45-1992)

#### **Long Duration Stress Tested**

Provides maximum protection during sustained transients  
Per ANSI/IEEE C62.41 10/1000us current waveform

#### **Single Impulse Tested by Independent Lab**

Provides verification of surge current capability

#### **FIVE YEAR Unlimited Warranty Standard**

Provides unlimited replacement during the warranty period

The **PBS** is a parallel suppressor which is integral to a panelboard. It provides protection against transients from distribution panels and transients generated on other branch panels within the facility. PBS models suppress and filter damaging transients up to 300kA. They combine a linear array of protection components and high frequency filters to eliminate transient voltage and electrical line noise. The PBS is compatible with, and can be incorporated into, panelboards from all major panelboard manufacturers, including panelboard OEMs. PBS surge suppressors do not incorporate fusing elements, which would restrict the unit's ability to repetitively suppress transients up to its full rated surge capacity.



## **SURGE SUPPRESSION SPECIALISTS**

### **East Coast - HQ**

800-654-8087  
813-621-1324  
813-621-8980

800  
Phone  
Fax

### **West Coast**

800-881-8506  
208-762-6188  
208-762-6099

Internet: [www.leaintl.com](http://www.leaintl.com)

# PBS PANELBOARD WITH INTEGRAL SURGE PROTECTION

Model	Surge Current Capacity Per Phase	Modes of Protection	Surge Current Capacity Per Mode	Category Rating and Exposure Level	Dimensions and Weight – (3 Phase)
<b>PBS-G</b> (GE)	300kA	Normal: L-N Differential: L-L Common: L-G N-G	L-N: 150kA L-L: 300kA L-G: 150kA N-G: 150kA	Category C3 High Exposure	Depends on panel type, ampacity and poles
<b>PBS-D</b> (Sq. D)	300kA	Normal: L-N Differential: L-L Common: L-G N-G	L-N: 150kA L-L: 300kA L-G: 150kA N-G: 150kA	Category C3 High Exposure	Depends on panel type, ampacity and poles
<b>PBS-M</b> (Siemens)	300kA	Normal: L-N Differential: L-L Common: L-G N-G	L-N: 150kA L-L: 300kA L-G: 150kA N-G: 150kA	Category C3 High Exposure	Depends on panel type, ampacity and poles
<b>PBS-C</b> (Cutler-Hammer)	300kA	Normal: L-N Differential: L-L Common: L-G N-G	L-N: 150kA L-L: 300kA L-G: 150kA N-G: 150kA	Category C3 High Exposure	Depends on panel type, ampacity and poles

NOTE: Consult factory for clamping voltage data.

Standard Voltage Configurations	Suffix	Available Options	Electrical Specifications
120/240-SP 120/208-3Y 277/480-3Y	BC G H	Direct Bus Connect Remote Status Monitor Spare Module	Nominal Operating Voltage: 120-277 VAC Frequency Range: 47 – 63 Hz Response Time: <1 nanosecond Sine-Wave Tracking: Yes Noise Attenuation: 100kHz 50dB 1MHz 51dB 10MHz 47dB 100MHz 39dB

### Standard Features

- Form C Dry Contacts
- Digital Surge Counter
- Audible Alarm w/Push-to-Test
- Red/Green Indicator
- Hard-wire Connection

### Ordering:

Please specify model number, voltage configuration and option suffix as needed.  
(example: PBS-D-120/208-3Y-G)



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