

AC Surge Protection Solutions Surge Blox™ Modular B Series

B82XXA • BT2XXA • B82XAA • BT2XAA • B82XSA • BT2XSA

The Surge Blox™ circuit design and modular assembly provides the optimal surge suppression solution.

Modules may be installed individually or vertically stacked to upgrade for maximum protection coverage. Units can be ordered with or without alarm feature.

ACData®



Features

- UL 1449 5th Edition Listed
- Thermal fused metal oxide varistor (MOV) and/or silicon avalanche diode (SAD) for MOV/SAD suppression technology
- Audible, three distinct light-emitting diodes (LED) visual and remote alarm protection status indicators
- Type 4X fiberglass outdoor rated enclosures
- Surge current capacity > 200kA 8/20 per phase
- Increase surge protection with stacking modular design

Benefits

Surge Blox series modular design is field upgradable and features easy-to-replace independently alarmed components in a variety of service voltages, enclosure types and sizes. Partial failure notification allows for timely component repair without compromising protection, while damaged components can be replaced without suppressor failure

Basic Applications

- Light-industrial
- Other commercial applications

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SPECIFICATIONS

AC Surge Protection Solutions
Surge Blox™ Modular B Series

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Electrical

Models B8 Series (Below Panel Mount)	B82XXA	B82XAA	B82XSA
Models BT Series (Above Panel Mount)	BT2XXA	BT2XAA	BT2XSA
Operating AC Voltage	1φ 240/120V 3W	1φ 240/120V 3W	1φ 240/120V 3W
Surge Protection Device (SPD) Type to UL	Type 2	Type 2	Type 2
Maximum Continuous Operating AC Voltage (MCOV):			
Line-Neutral	140V	140V	140V
Line-Line	280V	280V	280V
Nominal Discharge Current [I _n]	20 kA	20 kA	20 kA
Maximum Surge Current Capacity [I _{max}]:			
MOV	280 kA	>280 kA	280 kA
SAD	-	-	20 kA
Fault Current Rating	65 kA with 200 Amp breaker	65 kA with 200 Amp breaker	65 kA with 200 Amp breaker
Voltage Protection Rating (VPR):			
Line-Neutral	800V	800V	700V
Line-Line	1200V	1200V	1000V
Suppression Technology (MOV and/or SAD)	MOV	MOV	MOV/SAD

Mechanical

Connection Terminal (Alarm) Hardwired	#22 - #16 AWG [0.34 mm ² - 1.5 mm ²]
Connection Terminal (Suppression) Hardwired	#14 - #2/0 AWG [2.5 mm ² - 70 mm ²]
Operation Temperature (°C)	-20° C to +80° C
Enclosure Type (Outdoor)	Type 4X Fiberglass
Enclosure Dimension (L x W x H)	13.88" x 15.52" x 6.24" [352.55 x 394.21 x 158.49 mm]
Weight	18.0 lbs [8.16 kg]

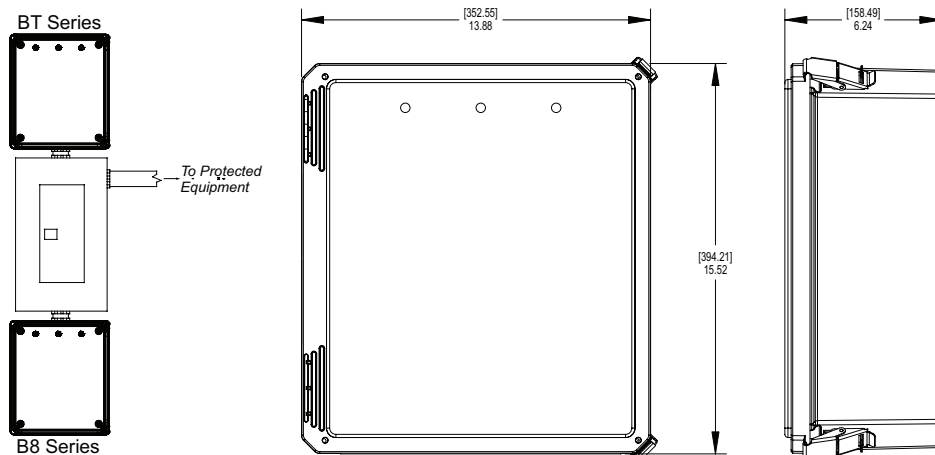
Optional Accessories

Surge Counter (Factory Installed)	Specify Model Number '-C'
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Standards Compliance & Certifications

UL 1449 5th Edition: 2009, IEEE C62.41.2: 2002	
Certification	UL
Standards	ANSI, IEEE, NEC

Product Diagram



AWG=American Wire Gauge



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