

## AC Surge Protection Solution

# AC21SM Advanced Coordinated Hybrid™

AC21SM features advanced silicon avalanche diode and metal oxide varistor (SAD/MOV) coordinated hybrid suppression technology in a Type 2 surge suppressor with an outdoor Type 4 rated aluminum enclosure.

## ACData®



### Features

- UL 1449 4<sup>th</sup> Edition Listed
- Advanced Coordinated Hybrid™ suppression technology
- Common mode suppression added
- Light-emitting diode (LED) visual and remote protection status indicator
- Surge current capacity 100kA 8/20 $\mu$ s on each L-N mode

### Benefits

The AC21SM provides affordable hardwired AC surge suppression solutions. With its compact size and rugged hybrid design the AC21SM is an ideal solution for integrated load centers (ILC) as well as stand-alone surge protection applications.

### Basic Applications

- Energy
- Light-industrial
- Telecommunication
- Transportation
- Other commercial applications

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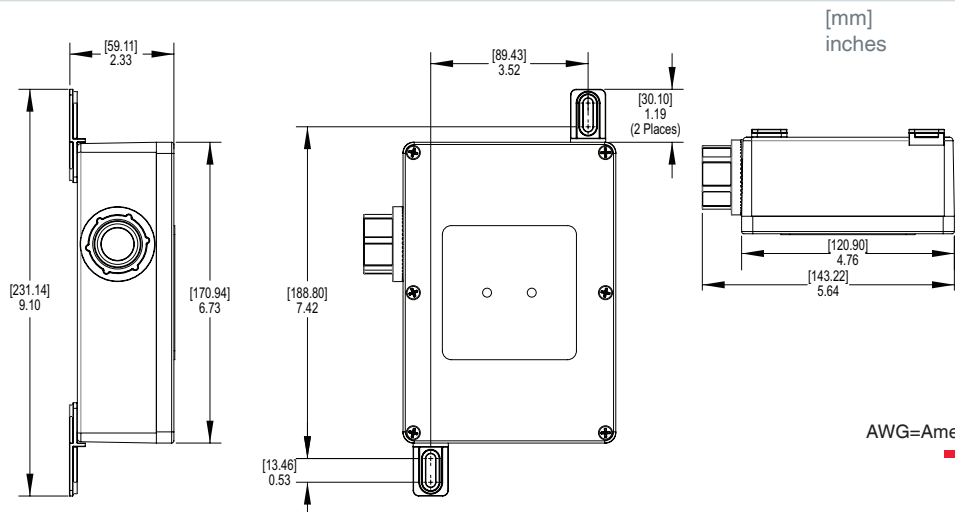


Electrical	AC21SM	
Surge Protection Device (SPD) Type to UL	Type 2	
Operating AC Voltage	1φ 120/240V 3W+G	
Maximum Continuous Operating AC Voltage (MCOV):	Line-Neutral	140V
	Line-Ground	140V
	Neutral-Ground	140V
	Line-Line	280V
Nominal Discharge Current [ $I_n$ ]	20 kA	
Maximum Surge Current Capacity [ $I_{max}$ ]:	Line-Neutral	100 kA
	Line-Ground	100 kA
	Neutral-Ground	60 kA
	Line-Line	100 kA
Fault Current Rating	65 kA with 200 Amp breaker	
Voltage Protection Rating (VPR):	Line-Neutral	500V
	Line-Ground	800V
	Neutral-Ground	600V
	Line-Line	700V
Suppression Technology	SAD/MOV Hybrid	

Mechanical	AC21SM
Connection Terminal (Suppression) Hardwired	#10 AWG [6 mm <sup>2</sup> ] pigtail leads
Form C Contact Connection (Terminal Block) Hardwired	#22 AWG [.34 mm <sup>2</sup> ]
Operation Temperature (°C)	-40° C to +80° C
Enclosure Type (Outdoor)	Type 4 Aluminum
Enclosure Dimension (L x W x H)	5.64" x 9.10" x 2.33" [143.22 x 231.41 x 59.11 mm]
Weight	4.0 lbs [1.81 kg]

Standards Compliance & Certifications	
UL 1449 4 <sup>th</sup> Edition, IEEE C62.41.2	
Certification	UL
Standards	ANSI, IEEE, NEC

### Product Diagram



AWG=American Wire Gauge

