

# Surgitron<sup>®</sup> III -21 Series Type 1

**MEDIUM DUTY FOR RESIDENTIAL  
OR INDUSTRIAL APPLICATIONS**



## FEATURES AND BENEFITS

- Listed to UL 1449 3rd Edition for a Type 1 SPD application.
- Individual fusing for each Metal Oxide Varistors (MOVs).
- LED indicates proper functioning of L-N and N-G MOVs

## PRODUCT SPECIFICATIONS

### Electrical

Nominal Discharge Current Rating (I-n)	20kA
Operating Frequency	47–63Hz
Connection Methods	Parallel to Load (shunt) #14 AWG wires
Modes of Protection	1260-21 L-N, L-G, N-G 1265-21 L-N, L-G, N-G, L-L 1265-21-G L-N, L-G, N-G 1455-21 L-N, L-G, N-G, L-L 1455-21-A L-N, L-G, N-G, L-L 1455-21-D L-G, L-L
Fault Rating (SCCR)	100kAIC
Response Time	Less than 1 nanosecond (one per phase)
Standard Monitoring	LED status indicator lights

### Mechanical

Weight	2 lbs. (.9 kg)
Enclosure Type	NEMA 1, Non-metallic
Installation Location	Indoor
Mounting Method	1/2" – 14 NPS Thread (Aluminum Bracket Optional)
Operating Environment	-40° to +176°F (-40° to +80°C)
Altitude	Up to 16,400 ft. (5000 m)
Product Design	Individually fused MOVs

### Regulatory

UL 1449 3rd Edition Type	Type 1
UL 1283	No
IEEE C62.41.1, .2, C62.45	Yes
Listed By	UL

## AVAILABLE CONFIGURATIONS

Model Number	kA Per Phase	Voltage	Configuration
1260-21	40kA	120V	1-Phase, 2-Wire +Ground
1265-21	40kA	120/240V	2-Phase, 3-Wire + Ground
1265-21-G	40kA	120/240V	2-Phase, 3-Wire + Ground
1455-21	40kA	120/208V	3-Phase, 4-Wire + Ground
1455-21-A	40kA	120/208V	3-Phase, 4-Wire + Ground
1455-21-D	40kA	230/240V	3-Phase Delta, 3-Wire + Ground

### Warranty

3-years

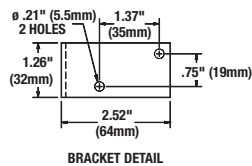
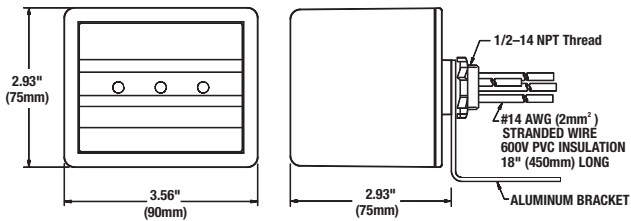
### Available Options

Mounting Bracket Add suffix -B

## SURGITRON III PERFORMANCE DATA

Model Number	Voltage Configuration	Protection Modes	MCOV	UL 1449 3rd Edition 6kV 3000A VPR
1260-21	120	L-N	150	700
		L-G	300	1200
		N-G	0	700
1265-21	120/240	L-N	150	700
		L-G	300	1200
		N-G	0	700
		L-L	300	1200
1265-21-G	120/240	L-G	150	700
		L-L	300	1200
		L-N	N/A	
1455-21	120/208	L-N	150	700
		L-G	300	1200
		N-G	0	700
		L-L	300	1200
1455-21-A	120/208	L-N	150	700
		L-G	300	1200
		N-G	0	700
		L-L	300	1200
1455-21-D	230-240	L-G	300	1200
		L-L	300	1200

## DIMENSIONAL SPECIFICATIONS



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