ADVANCED POWER TECHNOLOGIES

XV2

Surge Protection Device (SPD)

Transient Voltage Surge Suppressor (TVSS)



XV2
Single-Phase
& Three Phase

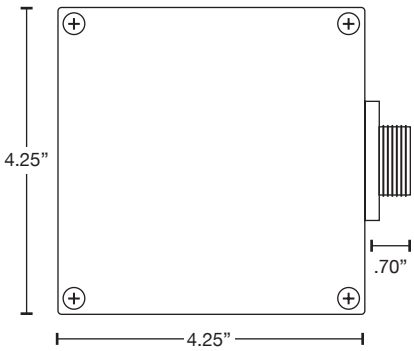
Features

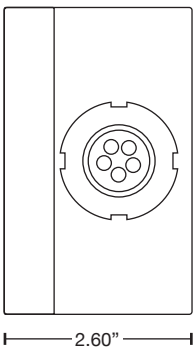
- UL 1449 5th edition Type 1 UL/cUL listed
- Imax: 120 kA per phase
- Thermally fused metal oxide varistor suppression with added gas-tube technology
- LED indicator and audible alarm
- NEMA 4X (IP65/IP66) indoor/outdoor rated enclosure
- In: 20 kA
- EMI/RFI noise filtration (-40db)
- Repositionable lid allows for label orientation
- Short circuit current rating (SCCR) 200 kAIC
- Lead length: 36” / #10 AWG
- Meets UL 96A lightning protection master label
- Single phase - Lifetime Warranty
- Three phase - 25 years

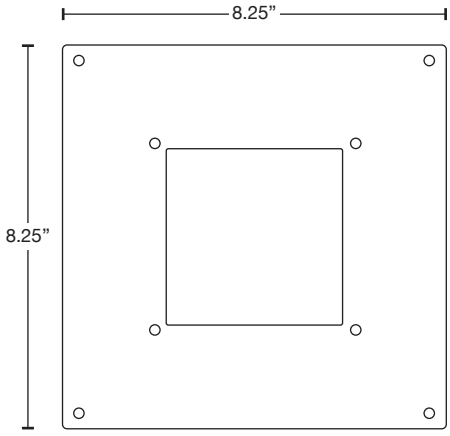
Available Options

- Mounting bracket available to allow installation inside of electrical panel
- Flush mount cover

Dimensions







Flush Mount Cover

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Part Number Breakdown

XV2-(X)-120-4XM

Surge Rating: 120 =120 kA/phase

Voltage Identifier: 1=120/240 single phase, 2=120/208 3-phase Wye, 3=120/120/240 3-phase Hi-Leg Delta, 4=277/480 3-phase Wye, 5=480 3-phase Delta, 6=347/600 3-phase Wye, 7=600 3-phase Delta, 8=220/380 3-phase Wye, 9=240 3-phase Delta

Specifications

Description			XV2-GEN	XV2-1	XV2-2	XV2-3	XV2-4	XV2-5	XV2-6	XV2-7	XV2-8	XV2-9
System Voltage		VAC	120/240	120/240	120/208	120/120/240	277/480	480	347/600	600	220/380	240
System Wiring			3W+G (Single Phase)	3W+G (Single Phase)	4W+G (3-Phase Wye)	4W+G (3-Phase Hi-Leg Delta)	4W+G (3-Phase Wye)	3W+G (3-Phase Delta)	4W+G (3-Phase Wye)	3W+G (3-Phase Delta)	4W+G (3-Phase Wye)	3W+G (3-Phase Delta)
Maximum Operating Voltage	MCOV	L-N	150	150	150	150/300	320	N/A	550	N/A	320	N/A
		N-G	150	150	150	150/300	320	N/A	550	N/A	320	N/A
		L-G	150	150	150	150	320	550	550	750	320	320
		L-L	300	300	300	300/300	520	550	750	750	550	640
Voltage Protection Rating	VPR	L-N	700	700	700	700/1,200	1,200	N/A	1,800	N/A	1,200	N/A
		N-G	700	700	700	700/1,200	1,000	N/A	1,800	N/A	1,200	N/A
		L-G	700	700	700	700/1,200	1,200	1,800	1,800	1,800	1,000	1,200
		L-L	1,000	1,000	1,000	1,800/1,800	2,500	3,000	3,000	2,000	1,800	1,800
Operating Current	Ic		<10 mA	<10 mA	<10 mA	<30 mA	<10 mA	<30 mA	<10 mA	<30 mA	<10 mA	<30 mA
Follow Current	If		None									
Maximum Leakage Current	Ipe		1 mA									
Frequency	f		50/60/400 Hz									
Nominal Discharge Current Per Mode	In (8/20 µs)		20 kA									
Maximum Discharge Current Per Phase	Imax (8/20 µs)		120 kA per Phase									
Short Circuit Current Rating	SCCR		200 kA									
Standard's Compliance or Recognition			UL 1449 5th Edition Type 1 Listed, cUL Listed									
EMI/RFI Filtering			1283 Electromagnetic Interference Filter (-40 dB)									
Thermal Disconnecter			Internal to Each Component									
Overload Disconnecter			Internal to Each Device									
Failure Indicators			LED & Audible Alarm									
Operating Temperature			-40 to +185°F (-40 to +85°C)									
Housing-Enclosure Material			NEMA 4X Aluminum									
Mounting Type			Nipple/Wall Mounting --- Bracket Mount (Not Included) or Flush Mount (Cover Not Included)									
Environmental Rating			NEMA 4, IP65, IP66									
Installation Location			Indoor/Outdoor									