

Application: ILSCO's Surgency™ XE series, its flagship surge protective device (SPD), is designed specifically for commercial & industrial installations. Not only containing the strength of a lightning arrester, the XE series limits damaging voltage spikes to harmless levels. These XE SPD's are ideal for protecting more rugged electrical equipment such as NEMA starters, motors and MCCs.



Applicable Standards: ANSI/IEEE C62.72-2016, ANSI/IEEE C62.41.1 & C62.41.2-2002, ANSI/IEEE C62.62-2010 environments: Suitable for Categories: A, B & C (Most Severe Electrical Environments); NFPA 780 & UL 96A Lightning Protection Systems; National Electric Code, Art. 285, 700.10 & 708.20; CSA C22.2 No. 269.1-14.

IEC Environments: Suitable for use in IEC 61643-11 environments as a Class 2 SPD

ANSI/UL 1449 SPD Types: Type 1 ("A" or "B" suffix)

Circuit Topology: Parallel configured Threshold Clamping Circuitry circuit design incorporating a per-element thermal disconnection technology.

Protection Modes: Industry-best practice of L-N, L-G & N-G (7-mode) protection elements for installation at a facility's electrical service entrance.

Nominal Discharge Current (I_n) Rating: 20 kA (Complies with the requirements of UL 96A Master Label for Installation Requirements for Lightning Protection Systems)

Enclosure: NEMA 1, 2, 3, 3R, 3X, 4 and 4X Rated Standard Enclosure

Diagnostics: Blue LED, normally on, Red LED indicates the SPD needs to be replaced, and an off LED indicates power is off and/or the SPD needs to be replaced.

Product Certifications: Listed to ANSI/UL 1449 4th Edition & CSA C22.2. No. 269.1-14 (VZCA & VZCA7, E484255)

Short Circuit Current Rating: 200 kA

Temperature Rating: -40 to 85°C

Warranty: 10 Years



Option Code *	UL/CSA Type	Indicator LED	Audible Alarm	Dry Relay Contact
A	1	•		
B	1	•	•	•

Catalog Number	Electrical Characteristics					Nominal Discharge Current	Short Circuit Current Rating (SCCR)	UL Voltage Protection Rating (MCOV)				Conduit Size (in.)
	Phase	System	Nominal Voltage	AC Frequency	Per Mode Surge Current			L-L	L-N	L-G	N-G	
XE-050-1P1X-A XE-050-1P1X-B	1	SINGLE	100~140 V	50/60 Hz	50 kA	20 kA	200 kA	-	700 (150)	700 (150)	700 (150)	3/4
XE-050-1P2X-A XE-050-1P2X-B	1	SINGLE	220~280 V	50/60 Hz	50 kA	20 kA	200 kA	-	1200 (320)	1200 (320)	1200 (320)	3/4
XE-050-1P4X-A XE-050-1P4X-B	1	SINGLE	480 V	50/60 Hz	50 kA	20 kA	200 kA	2000	-	2000	-	3/4
XE-050-1S1X-A XE-050-1S1X-B	1	SPLIT	120/240 V	50/60 Hz	50 kA	20 kA	200 kA	1000 (300)	700 (150)	700 (150)	700 (150)	3/4
XE-050-3Y1X-A XE-050-3Y1X-B	3	WYE	208Y/120 V	50/60 Hz	50 kA	20 kA	200 kA	1000 (300)	600 (150)	600 (150)	700 (150)	3/4
XE-050-3Y2X-A XE-050-3Y2X-B	3	WYE	480Y/277 V	50/60 Hz	50 kA	20 kA	200 kA	2000 (640)	1200 (320)	1200 (320)	1200 (320)	3/4
XE-050-3Y3X-A XE-050-3Y3X-B	3	WYE	600Y/347 V	50/60 Hz	50 kA	20 kA	200 kA	2500 (800)	1500 (400)	1500 (400)	1500 (400)	3/4
XE-050-3D1X-A XE-050-3D1X-B	3	HI-LEG DELTA	240Δ/120 V	50/60 Hz	50 kA	20 kA	200 kA	1200/1800 (300/300)	700/1200 (150/300)	700/1200 (150/300)	700 (150)	3/4
XE-050-3N4X-A XE-050-3N4X-B	3	DELTA	480 V	50/60 Hz	50 kA	20 kA	200 kA	1800 (552)	-	1800 (552)	-	3/4
XE-050-3N6X-A XE-050-3N6X-B	3	DELTA	600 V	50/60 Hz	50 kA	20 kA	200 kA	3000 (690)	-	3000 (690)	-	3/4