

**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. The XE SPD's with UL 1283 filtering ("C" or "D" suffix) are ideal for facilities containing modern electronics including computerized building control, data centers, computer workstations and automation equipment.

**Applicable Standards:** ANSI/IEEE C62.72-2016, ANSI/IEEE C62.41.1 & C62.41.2-2002, ANSI/IEEE C62.62-2018 environments: Suitable for Categories: A, B & C (Most Severe Electrical Environments); UL 1449 Surge Protective Devices, UL 1283 EMI Filters, NFPA 780 & UL 96A Lightning Protection Systems; National Electric Code, Art. 285, 700.10 & 708.20; CSA C22.2 No. 269.2-13 or No. 8-13.

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

**ANSI/UL 1449 SPD Types:** Type 2 ("C" or "D" suffix) - includes UL 1283 filtering circuitry

**Circuit Topology:** Parallel configured Threshold Clamping Circuitry circuit design incorporating component-level thermal disconnection technology. UL 1283 Filtering models also include the same Threshold Clamping Circuitry.

**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, panelboards, and subpanels.

**Nominal Discharge Current (I<sub>n</sub>) Rating:** 20 kA (Complies with the requirements of NFPA 780 and 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:** A Blue LED per phase (i.e. 3 LED's for three phase systems), 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 & CSA C22.2. No. 269.2-13 (VZCA & VZCA7, E484255); ANSI/UL 1283 and CSA C22.2 No. 8-13 (FOKY & FOKY7, 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	Electrical Noise Filter
C	2	•			•
D	2	•	•	•	•



Catalog Number	Electrical Characteristics							UL Voltage Protection Rating				Conduit Size (in.)	
	Phase	System	Nominal Voltage	AC Frequency	Per Mode Surge Current	Nominal Discharge Current	Short Circuit Current Rating (SCCR)	VPR (MCOV) L-L	VPR (MCOV) L-N	VPR (MCOV) L-G	VPR (MCOV) N-G		
XE-050-1P1X-C	1	SINGLE	100~140 V	50/60 Hz	50 kA	20 kA	200 kA	-	700	700	700	700	3/4
XE-050-1P1X-D													
XE-050-1P2X-C	1	SINGLE	220~280 V	50/60 Hz	50 kA	20 kA	200 kA	-	1200	1200	1200	1200	3/4
XE-050-1P2X-D													
XE-050-1S1X-C	1	SPLIT	120/240 V	50/60 Hz	50 kA	20 kA	200 kA	1200	700	700	700	700	3/4
XE-050-1S1X-D													
XE-050-3Y1X-C	3	WYE	208Y/120V	50/60 Hz	50 kA	20 kA	200 kA	1200	700	700	700	700	3/4
XE-050-3Y1X-D													
XE-050-3Y2X-C	3	WYE	480Y/277V	50/60 Hz	50 kA	20 kA	200 kA	2500	1200	1200	1200	1200	3/4
XE-050-3Y2X-D													
XE-050-3D1X-C	3	HI-LEG DELTA	240Δ/120V	50/60 Hz	50 kA	20 kA	200 kA	1200/2000	800/1200	700/1200	700	700	3/4
XE-050-3D1X-D													
XE-050-3N4X-C	3	DELTA	480 V	50/60 Hz	50 kA	20 kA	200 kA	2000	-	1800	1800	1800	3/4
XE-050-3N4X-D													