



XEL-PA10S

10KV/10KA Surge Protection Series

Lighting Fixture SPD Family
Low Profile Slim Design



- 10KA Surge Protection Rating
- Variants available in dedicated 120V, universal 120~277V, dedicated 347V & industrial 480V
- UL1499 Type 5 recognized for easy fixture integration*
- Low profile Slim design for compatability with modern LED fixture designs
- Available with or without mounting location for smaller profile
- All modes protection: L-N (L-L), L-G, N-G
- 40°C to +85°C operation for indoor or outdoor applications in dry and damp locations
- Materials: RoHS Compliant
- XenerQi Industry Leading 5 Year True Warranty™

*The PA10S series of surge protection devices are UL1449 type 5 certified devices. Type 5 surge protectors are designed to be used in combination with properly rated overcurrent protection within the intended application.

Variants available:

- UL Type 4 (120 ~ 277V)
- UL Type 4 (347V)
- UL Type 5 20KV/20KA (120 ~ 480V)

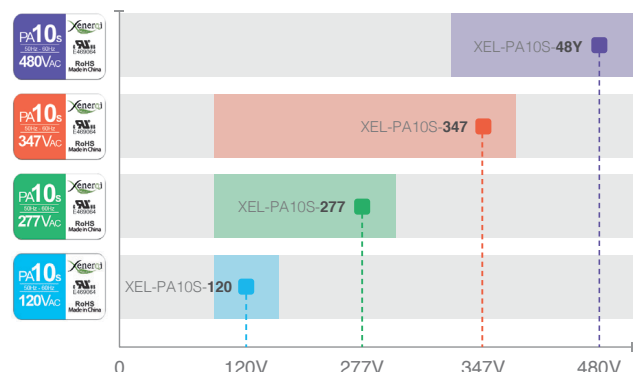
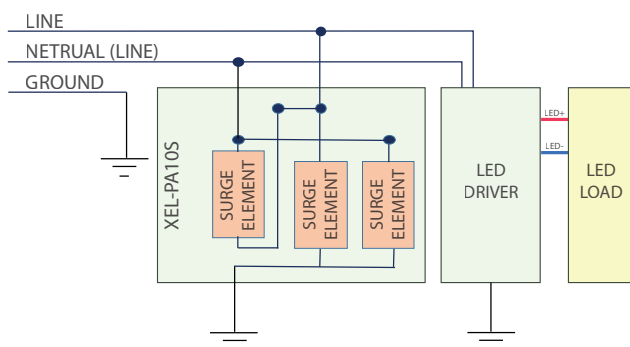
XEL-PU10-277
XEL-P01C-347 (with series protection)
XEL-PA20S



CHOOSING APPROPRIATE PRODUCT PART NUMBER:

MATCH OPERATING VOLTAGE ON LUMINAIRE DRIVER WITH 'MAX NOMINAL VOLTAGE' FROM MODEL TABLE.

Typical Application



Specification Data

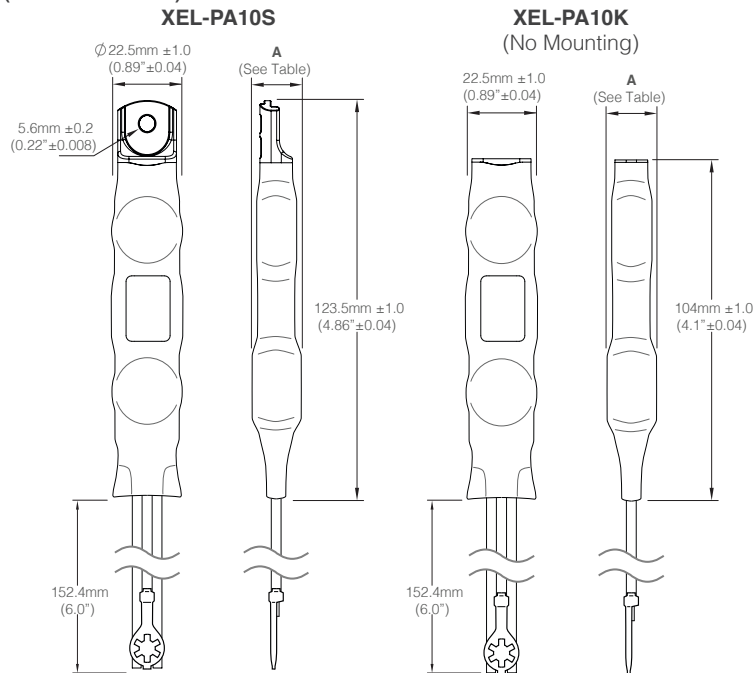
Electrical Specifications

Max surge current
Leakage Current
(In) Surge rating (UL1449)
Operating temperature
(See available model table on page 2 for individual electrical specifcation details)

ANSI C62.41 C-High: 10KV/10KA*¹
<0.3 mA
5KA*¹
-40C ~ +85C

Mechanical Drawings-Dimensions

(not to scale)



Case

Material	Plastic (Shrink Wrapped)
Unit Weight	TBC
Dimensions (S Model)	22.5mm x (A)mm x 123.5mm / 0.9" x (A)" x 4.9"
Dimensions (K Model)	22.5mm x (A)mm x 104mm / 0.9" x (A)" x 4.1"
Recommended Fixings	1x M4 / 8-32 Fastner

Wire Dimensions

Wire Gauge	14AWG (UL1015)
Wire Length	152.4mm (±3mm) / 6" (±0.12")
Strip Length	9.5mm (±0.5mm) / 0.375" (±0.02")

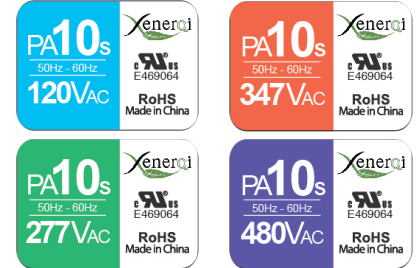
A (Thickness)

120:	14.5mm (±1mm) / 0.57" (±0.04mm)
277:	16.5mm (±1mm) / 0.65" (±0.04mm)
347:	18.5mm (±1mm) / 0.73" (±0.04mm)
48Y:	21.5mm (±1mm) / 0.85" (±0.04mm)

Labels-Details

Layout

Labels shown below are an example.

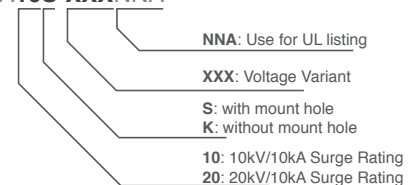


Available Models



CHOOSING APPROPRIATE PRODUCT PART NUMBER:
MATCH OPERATING VOLTAGE ON LUMINAIRE DRIVER WITH
'MAX NOMINAL VOLTAGE' FROM MODEL TABLE BELOW.

ORDER CODE:
XEL-PA10S-XXXNNA



Part Number*		Max Nominal Voltage (V)	Max Continuous Operating Voltage (MCOV)	Max Limiting Voltage (MLV)		Clamping Voltage (V @100A)
				L-N (L-L) (V)	L/N - G (V)	
Variants (with Mounting)	XEL-PA10S-120	120	150	540	620	360
	XEL-PA10S-277	277	320	1140	1210	840
	XEL-PA10S-347	347	420	1420	1590	1120
	XEL-PA10S-48Y	480	550	1900	2130	1500
Variants (without Mounting)	XEL-PA10K-120	120	150	540	620	360
	XEL-PA10K-277	277	320	1140	1210	840
	XEL-PA10K-347	347	420	1420	1590	1120
	XEL-PA10K-48Y	480	550	1900	2130	1500

* Part numbers shown are for Xenerqi ordering codes. For UL listings add 'NNA' to end of part number (Eg. XEL-PA10S-277NNA)

**Up - IEC 61643-11 Voltage protection level; the highest value of residual voltage measurements during the application of impulses of 8/20us nominal discharge current (in); a rounding voltage value of maximum measurement.

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