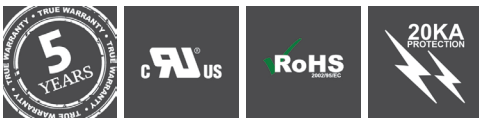




XEL-PA20S

20KV/20KA Surge Protection Series

Lighting Fixture SPD Family
Low Profile Slim Design



- 20KA Surge Protection Rating
- Variants available in universal 120~277V & 347V~480V
- UL1499 Type 5 recognized for easy fixture integration
- Low profile Slim design for compatability with 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 10KV/10KA (120 ~ 480V)

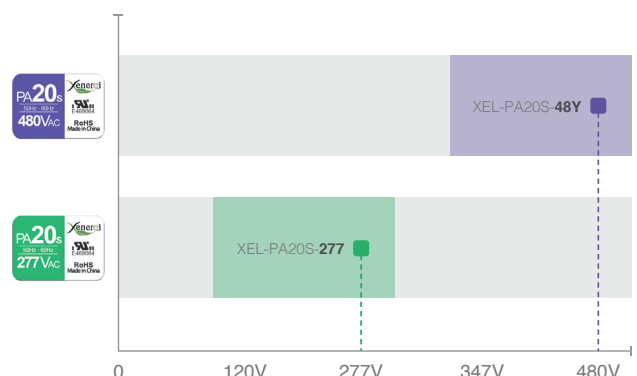
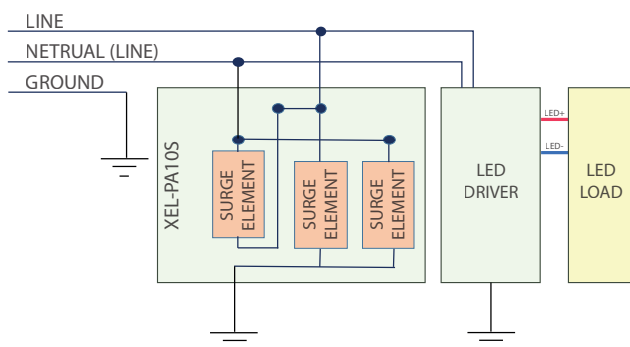
XEL-PU10-277
XEL-P01C-347 (with series protection)
XEL-PA10S



CHOOSING APPROPRIATE PRODUCT PART NUMBER:

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

Typical Application



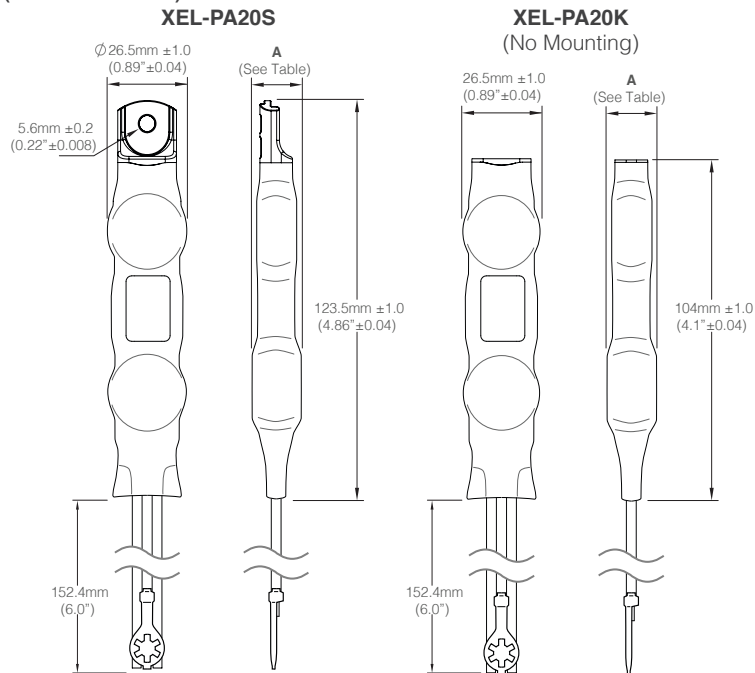
Specification Data

Electrical Specifications

Max surge current	ANSI C62.41 C-High: 20KV/20KA*1
Leakage Current	<0.3 mA
(In) Surge rating (UL1449)	10KA*1
Operating temperature	-40C ~ +85C
(See available model table on page 2 for individual electrical specifcation details)	

Mechanical Drawings-Dimensions

(not to scale)



A (Thickness)
 277: 16.5mm (±1mm) / 0.65" (±0.04mm)
 48Y: 21.5mm (±1mm) / 0.85" (±0.04mm)

Labels-Details

Layout

Labels shown below are an example.



Case		Wire Dimensions	
Material	Plastic (Shrink Wrapped)	Wire Gauge	14AWG (UL1015)
Unit Weight	TBC	Wire Length	152.4mm (±3mm) / 6" (±0.12")
Dimensions (S Model)	26.5mm x (A)mm x 123.5mm / 1.04" x (A)" x 4.9"	Strip Length	9.5mm (±0.5mm) / 0.375" (±0.02")
Dimensions (K Model)	26.5mm x (A)mm x 104mm / 1.04" x (A)" x 4.1"		
Recommended Fixings	1x M4 / 8-32 Fastner		

Available Models



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

ORDER CODE:
 XEL-PA20S-XXXNNA

NNA: Use for UL listing
XXX: Voltage Variant
S: with mount hole
K: without mount hole
10: 10kV/10kA Surge Rating
20: 20kV/10kA Surge Rating

Part Number*		Max Nominal Voltage (V)	Max Continuous Operating Voltage (MCOV)	Max Limiting Voltage (MLV) L-N (L-L) (V)	L/N - G (V)	Up** (V)	Clamping Voltage (V @100A)
Variants (with Mounting)	XEL-PA20S-277	277	320	1190	1330	1400	840
	XEL-PA20S-48Y	480	550	2040	2260	2300	1500
Variants (without Mounting)	XEL-PA20K-277	277	320	1190	1330	1300	840
	XEL-PA20K-48Y	480	550	2040	2260	2300	1500

* Part numbers shown are for Xenerqi ordering codes. For UL listings add 'NNA' to end of part number (Eg. XEL-PA20S-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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