

PQ PROTECTION SURGE PROTECTION DEVICES PQLA SERIES



PQLA is a high-performance, robust, surge protective device (SPD), protecting your facilities' electrical equipment from damaging electrical power surges due to lightning, utility power generation/distribution systems, and/or inductive load switching equipment within your facility. Intended for service entrances, branch panels, lighting panels, and large equipment applications (e.g., HVAC).

The PQLA standard series is UL Type 1 listed (automatically suitable for UL type 2) and can be installed before or after the service equipment overcurrent device. The PQLA is automatic in operation, resetting after activation to provide continuous protection of electrical equipment.

The NEMA Type 4X (UL50E Type 4) outdoor rated enclosure is constructed of UV-stabilized thermoplastic. The overall SPD is compact and designed for easy installation. The threaded housing allows for direct connection to the electrical panel knockout while facilitating short, straight electrical connections.

Visual indication of protection status/failure is easy to see and easy to read whether the SPD is installed to the right, left, top or bottom of the protected panel/equipment.

ISO 9001:2014 Quality Management System, ISO 17025:2007 Laboratory Certification (UL® DAP), and 100% Quality Tested prior to shipping.

PRODUCT SPECIFICATIONS	
Status Indication	Blue LED(s) indicates normal operation
Certifications	UL® 1449 Edition 5 Type 1 / Type 2
Complies With	NEC® Article 242 (Article 285 - prior to 2020) UL® 96A Edition 14 Installation Requirements for Lightning Protection Systems ANSI/IEEE® C62.41.1-2002 Category A, B, and C; C62.41.2-2002; and C62.45-2002
Short Circuit Current Rating (SCCR)	200 kA
Maximum Discharge Current (I_{max})	40 kA per phase / 40 kA per mode - 8/20 μ s
Nominal Discharge Current (I_n)	20 kA
Frequency	0 - 100 Hz
Operating Temperature	-22° to 104° F (-30 to 40° C)
Mounting	1/2" straight nipple, optional Side Mount and Flush Mount kits
Enclosure Rating	NEMA® Type 4X, UL® 50E Type 4, suitable for indoor or outdoor installation
Enclosure Material	UV Stabilized Thermoplastic
Depth	3 in.
Width	4.75 in.
Height	2.75 in.
Weight	1 lb.
Connection Method	Parallel, pre-terminated 12 AWG leads ~36"
Recommended Circuit Breaker	20 A or 30 A, multi-pole as required
Warranty	Ten (10) Years

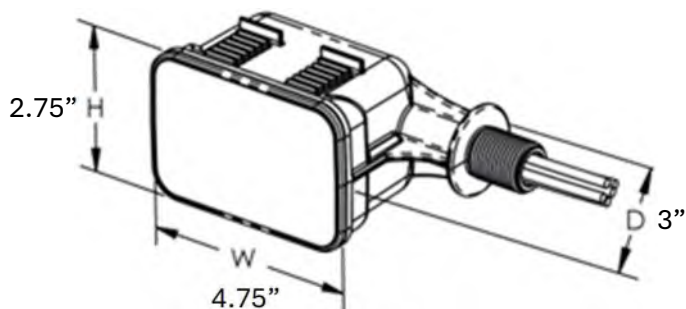
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STANDARD MODELS | PQLA

Model Number	Configuration	MCOV (V)	L-G (V)	L-N (V)	N-G (V)	L-L (V)
PQLA 120/208-3Y	120/208V, 3-phase Wye, 4W+G 240V, 3-phase Delta, 3W+G	150 / 300	1800	800	800	1800
PQLA 277/480-3Y	277/480V, 3-phase Wye, 4W+G 480V, 3-phase Delta, 3W+G	340 / 590	2500	1500	1500	2500
PQLA 120/240-SP	120/240V, Split-phase, 3W	150 / 350	-	900	-	1800
PQLA 120-1P	120V, 1-phase, 2W+G	150	900	1800	900	-
PQLA 240-1P	240V, 1-phase, 2W+G	300	1500	2500	1200	-



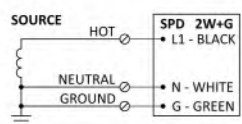
Flush Mount
PQLAFP



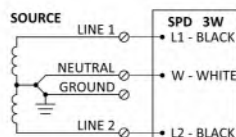
Side Mount Bracket
PQLABRK

CONFIGURATIONS (Conceptual - refer to IOM for installation instructions)

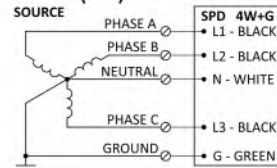
SINGLE PHASE (1P)



SPLIT PHASE (SP)



WYE (3Y)



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