

# PQ PROTECTION SURGE PROTECTION DEVICES

## PQR050 Series



The PQR050 is a high-performance, surge protective device (SPD), protecting your electrical equipment from damaging electrical power surges due to lightning; utility power generation/distribution systems; and inductive load switching equipment. Intended for service entrance / load center, sub panels, and large equipment (e.g., air conditioners, heat pumps).

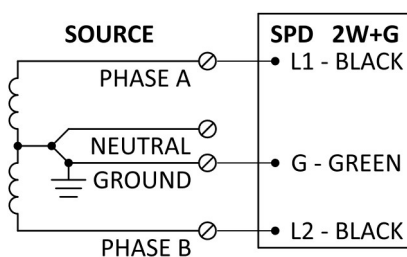
The PQR050 standard series is UL Type 1 listed (automatically suitable for UL type 2) and can be installed before or after the service equipment overcurrent device, with or without a dedicated circuit breaker for the SPD.

The PQR050 is automatic in operation, resetting after activation to provide continuous, repetitive protection of electrical equipment.

ISO 9001:2015 Quality Management System, 100% Quality Tested prior to shipping.

PRODUCT SPECIFICATIONS	
<b>Status Indication</b>	LED indicator for Normal Status,
<b>Certifications</b>	UL® 1449 Edition 5 Type 1
<b>Complies With</b>	NEC® Article 242 (Article 285 - prior to 2020) ANSI®/IEEE® C62.41.1-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2-2002 Cat A, Cat B, Cat C ANSI®/IEEE® C62.45-2002 Cat A, Cat B, Cat C
<b>Short Circuit Current Rating (SCCR)</b>	200 kA
<b>Maximum Discharge Current (I<sub>max</sub>)</b>	50 kA total / 8/20 μs
<b>Nominal Discharge Current (I<sub>n</sub>)</b>	10 kA
<b>Frequency</b>	50 / 60 Hz
<b>Operating Temperature</b>	-40° to 176°F (-40 to 80°C)
<b>Mounting</b>	Surface mount (flange) and/or panel mount (3/4" nipple), optional Flush Mount kit
<b>Enclosure Rating</b>	NEMA® Type 4X, suitable for indoor or outdoor installation
<b>Enclosure Material</b>	Polycarbonate
<b>Depth</b>	1.64 in.
<b>Width</b>	3.55 in.
<b>Height</b>	2.29 in. (2.89 in. with nipple)
<b>Weight</b>	0.4 lb.
<b>Terminations</b>	Pre-wired, 12 AWG stranded, ~18 in. length
<b>Recommended Circuit Breaker</b>	20A or 30A multi-pole as required
<b>Warranty</b>	Five (5) Years

STANDARD MODELS   PQR050		MCOV	VPR	
Model Number	Configuration	(V)	L-G (V)	L-L (V)
PQR050-120/240-SP	120/240V, Split-phase, 2W+G	150 / 300	700	1500



Optional flush mount kit - PQR050-FM.

Dimensions: 7 in. x 7 in.

