

# Commercial/Light Industrial Hardwire Surge Protective Device

## RCHW/POL SERIES

The RCHW/POL Series provides high-energy surge protection and optional RF filtering for Residential, Commercial, Industrial and Remote Site applications. These hardwired units provide superior control over transients by delivering low clamping voltages combined with high surge energy handling capabilities. All RCHW models are ETL Listed for use as either a Type 1 or Type 2 UL 1449 3rd edition SPD devices. They are configured for quick and easy parallel installation.

Superior energy handling capabilities of the RCHW/POL Series is due to the utilization of large diameter MOV technology. The unique design and construction of the Series allows them to deliver low clamping voltages while safely dealing with large surge currents.

The RCHW/POL Series is available for all service voltages and phase configurations and can be equipped with several specialized diagnostic options. All Models have a 100kA rms symmetrical fault current rating suitable for all IEEE category C locations and are available with surge ratings of 50kA to 100kA per phase.



### Product Specifications

Max Surge Current	50kA to 100kA per phase
Short Circuit Current*	100kA RMS Symmetrical Amps
Fusing	Coordinated Surge & Thermal
Housing Rating	NEMA 4X
Diagnostics	LED
Safety Standards	UL 1449 3rd Ed. (Sept. 2009)
$I_n^*$	20kA

\*Required by UL 1449 3rd Edition

### Material Specifications

- Wire Lead Length: 36 inches is standard
- Enclosures:
  - NEMA 4X Non-Metallic - Standard
  - Mill finished Aluminum - Optional

**Dimensions**  
3.5"H x 3.5"W x 7.5"L

**Weight**  
1.75 lbs

### VPR

MODEL NUMBER	SERVICE VOLTAGE	MCOV	L-N	L-G	N-G	L-L
RCHW100/120-10-#-1/4X	120 Volt Single $\emptyset$	150Vac	600V	600V	600V	N/A
RCHW100/120-SP-#-1/4X	120/240 Volt Split $\emptyset$	150Vac	600V	600V	600V	1200V
RCHW100/120-3W-#-1/POL	120/208 Volt 3 $\emptyset$ Wye	150Vac	600V	600V	600V	1200V
RCHW100/120-3H-0-1/POL	120/240 Volt 3 $\emptyset$ Delta	150/320Vac	600/1000V	600/1000V	600V	1200/1800V
RCHW100/240-3D-0-1/POL	240 Volt 3 $\emptyset$ Delta	320Vac	N/A	1000V	N/A	2000V
RCHW100/220-3W-#-1/POL	220/380 Volt 3 $\emptyset$ Wye	320Vac	1000V	1000V	1000V	2000V
RCHW100/230-3W-#-1/POL	230/400 Volt 3 $\emptyset$ Wye	320Vac	1000V	1000V	1000V	2000V
RCHW100/240-3W-#-1/POL	240/415 Volt 3 $\emptyset$ Wye	320Vac	1000V	1000V	1000V	2000V
RCHW100/277-3W-#-1/POL	277/480 Volt 3 $\emptyset$ Wye	320Vac	1000V	1000V	1000V	2000V
RCHW100/480-3D-0-1/POL	480 Volt 3 $\emptyset$ Delta	520Vac	N/A	1800V	N/A	4000V

- NOTES:**
1. Replace 100 (100kA) with 050 for 50kA per phase Surge Rating
  2. Remove /POL from the end of the Model Number for the optional Aluminum Housing.
  3. Replace # with F for optional filtering. This option is not available on 3 Phase, 100kA Poly devices.



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