

Commercial/Light Industrial Hardwire Surge Protective Device

RCHW SERIES

The RCHW 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 and require little maintenance while in service.

Superior energy handling capabilities of the RCHW 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 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 (up to 200kA available) per phase.



Product Specifications

Max Surge Current	50kA to 200kA per phase
Short Circuit Current*	100kA RMS Symmetrical Amps
Fusing	Coordinated Surge & Thermal
Housing Rating	NEMA 1, 2, 3, 3X, 4X, 12 & 13
Diagnostics	LED
Safety Standards	UL 1449 3rd Ed. (Sept. 2009)
I _n *	20kA ¹

*Required by UL 1449 3rd Edition

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

- NOTES:**
1. Replace XXX with desired kA rating per phase: 050 for 50 kA or 100 for 100 kA
 2. Replace # with F if filtering is required (available option on WYE Models only).
 3. Options: a. Dry Contacts b. Audible Alarm c. Flush Mount Kit d. Chase Nipple e. Mounting Bracket
 4. Replace -1 with -2 for the optional NEMA 4X Polycarbonate Housing.

Additional Models Available with up to 200kA Surge Rating.

Material Specifications

- Wire Lead Length: 36 inches is standard
- Enclosures:
 - Mill finished Aluminum with Zytel Plastic End Caps (UL 94-5V Flame Rated) - Standard
 - NEMA 4X Polycarbonate - Optional

kA Rating	Dimensions	Weight
50kA	2.9"H x 4.25"W x 7.5"L	2.5 lbs
100kA	2.9"H x 4.25"W x 10.5"L	4 lbs



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