

RECTORSEAL

A CSW Industrials Company

PRODUCT DATA SHEET

RSH-20 MOTOR PROTECTOR X-13/"X" STYLE

RSH-20MP-X13

Description

The RSH-20MP-X13 is a Surge Protective Device (SPD) for ECM indoor blower motors to safeguard from transient over-voltage and natural-cause surges.

Applications

Protects single phase 120/240V X-13/"X" Style ECM indoor blower motors. Type 4CA mounts between the motor and power harness.

Installation - DOT NOT USE ON EVERGREEN IM MOTORS!

For proper installation, measure the voltage on each phase and ensure the correct device to be installed.

1. Turn off power to the circuit where surge protector is to be installed.
2. Disconnect power harness from motor.
3. Plug protector into motor.
4. Slide the provided heat shrink tubing over the protector's male connectors.
5. Plug protector male terminals into power harness previously disconnected from the motor.
6. Plug wires in the same corresponding order you unplugged them: blue to "C", black to "L", green to "G", and white to "N".
7. For the best protection, attach the long yellow-green wire to a good electrical ground.
8. Use ties to keep wires away from fan.
9. Place included ATTENTION sticker on a visible surface.

It is critical that these wires are plugged into the correct terminals in order for the protector to function properly. Center tubing over power connection and gently apply heat to prevent any exposed terminals.



RSH-20MP-X13
Compatible Plug

Packaging

Code	Description	Qty per Case	Lbs per Case	Cubic Feet
96427	RSH-20MP-X13	12	1.83	0.066

Limited Warranty



For more information on our product warranty, visit rectorseal.com.

Manufactured for

RectorSeal, LLC

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LED Monitoring

The monitoring LED's indicate the status of each of the two possible power lines into the surge protector.

- If the X-13 motor is set up for 120 volt, only the "L" terminal will be hot, "N" will be neutral, and "G" is ground.
- In 240V motors, the same applies, except the "N" terminal is the other leg of 240V; no neutral connection is used.
- The green LED monitors the "L" terminal, and the yellow LED monitors the "N" terminal.
- When an LED is lit, that line is (a) HOT, and (b) protected.

Note that motors using 120 Volts will NOT light the yellow LED.

Characteristics | Features

- UL Recognized
- Thermally Fused MOVs
- 5 year Product Warranty
- 3 Modes of Protection: L-G, N-G, L-N
- Plug-n-Play for Ease of Installation
- Diagnostic LED indicates protection

Specifications

- 120/240 VAC Type 4CA
- In 5 kA (15 hits survivability)
- I_{max}: 20 kA (1 hit survivability)
- (L-G, N-G) MCOV: 130 VAC
- (L-N) MCOV: 260 VAC