RECTORSEAL HVAC protection SOLUTIONS

RSH Surge Protector and Voltage Range Monitor Kits

Cross-Comparison Chart

RSH™ VRM SERIES

RSH-50VRM KIT

RSH-50VRMDC KIT

ICM - ICM493

Manufacturer	RectorSeal	ICM
Model Number	**RSH-50VRM KIT RSH-50VRMDC KIT**	**ICM493**
Double Pole Relay Capacity	Standard 60A	Optional 60A, standard 40A
Operating Voltage	120, 208, 240V	208, 240V
Disconnect Method	Latching relays (See **competitive analysis** for additional info below.)	Electrically held contactors
Disconnect Switch Included	Yes 60A (RSH-50 VRMDC KIT only), saving install and wiring time	No
Maximum Surge Capacity	**50,000 Amps** ✓	10,000 Amps
Thermally Protected MOV's	Two 25kA TFMOV's, connected in parallel, for a combined surge current rating of 50kA	Five 10kA TMOV's, connected in series and used one at a time, for a total surge current of 10kA
Fault History	**300 events** ✓	5 events
Assembly Required	No	No
Available Knockouts	No, adds installation flexibility	Yes, limits options
Incoming Voltage Display/Calibration	Yes	Yes
UL 1449 Listed Surge Protector	**Yes** ✓	No
TMOV's Remaining Indicator	Unnecessary. Hybrid GDT & TFMOV technology extends the life of the surge protection circuit	Yes
Surge Protector Field Replaceable	Yes	No
Surge Protector Warranty	Lifetime	Lifetime

COMPETITIVE ANALYSIS:

Latching Relay Technology vs. Conventional Contactor Technology

Latching Relay
Rectorseal - RSH VRM Series

Latching relays are held in place by a mechanical/magnetic mechanism, not a continuous voltage source. This provides:

- ✓ Precise contact control
- ✓ Minimal arcing between points
- ✓ Increased life and reliability
- ✓ Easy installation, access and device replacement through its modular design

Conventional Contactor Technology
ICM – ICM493

Conventional contactor technology requires continuous power to hold the electrical contact points together or apart. Resulting in:

- X Quicker wear down and shorter lifespan because of electrically held contactors
- X Full circuit board replacement upon failure due to combined equipment

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