

# RSH Surge Protector and Voltage Range Monitor Kits




## Cross-Comparison Chart



RSH-50VRM KIT



RSH-50VRMDC KIT

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 <b>competitive analysis</b> 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 TFMV'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 & TFMV 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:

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

