

# RVMA RVDA, RVAA, RSDA, RSAA

## MODELS

- 25 and 40 amp rating for RV units
- 50, 75 and 100 amp ratings for RS units
- 500 volt and 660 volt ratings
- Single phase zero voltage firing
- DC logic and AC logic inputs available
- External fuses on RV range, internal on RS range
- Superior Surge Survival™
- CE compliant
- UL recognised
- CSA certified



## Single Phase Solid State Relays Specification Sheet

### Ratings

The current ratings of the RVDA and RVAA are 25 amps and 40 amps. The RSDA and RSAA have current ratings of 50, 75 and 100 amps. All products are available rated at 500V and the RV range is available in a 660V option. The 500 volt RV Series incorporates Superior Surge Survival™ providing increased immunity to voltage transients. Internal MOVs provide additional protection.

### Inputs

The RS and RV units can accept DC Logic inputs (RSDA and RVDA), AC Logic inputs (RSAA and RVAA) or 4 to 20mA inputs (RVMA).

### Firing mode

All units are Logic fired with zero voltage switching. RVMA unit is Burst firing also with zero voltage switching.

### Fusing

The RV range uses external high speed fuses and fuseholders. The RS range has internal fuses, accessed from the front.

### Cooling

All units have built in heatsinks and are cooled by natural convection.

## SPECIFICATION

### Electrical ratings

Current:	25amp and 40amp for RV range 25amp, 32amp, 50amp, 75amp and 100amp for RS range
Voltage range:	500Vac (24V-560V) for RV range (with built in MOV protection) 600Vac (24V-660V) for RV range (25A) 47-63Hz
Frequency:	800 volts for 300 volt units 1200 volts for 500 volt units
Blocking voltage:	4000V
Isolation:	

### DC input

Turn on voltage:	4V (min) 3.5mA, 32V(max) 8mA (12mA for RS range)
Turn off voltage:	1 volt (max)
Reverse voltage protection:	-100V

### AC input

Turn on voltage:	100V (min)9mA, 280V (max) 25mA
Turn off voltage:	20 volts (max)
Voltage drop:	1.5V at nominal current
Holding current:	100mA typical
Residual current:	8mA (max)
Indication:	LED input status indication
Firing mode:	Logic (on/off) with zero voltage switching

### mA Input

Input:	4-20mA
Firing mode:	Fast Burst firing

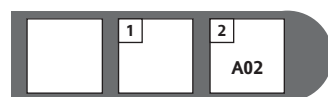
### Dimensions (mm)

25amp:	87(H) x 30(W) x 100(D) Fuse holder 95(H) x 26(W) x 86(D)
40amp:	87(H) x 60(W) x 100(D) Fuse holder 95(H) x 26(W) x 86(D)
50amp:	126(H) x 60(W) x 128(D) - fuses internal
75amp:	126(H) x 90(W) x 128(D) - fuses internal
100amp:	126(H) x 126(W) x 128(D) - fuses internal

### Environment

Operating temperature:	0 to 40°C
Humidity:	5% to 95% non condensing, non streaming
Atmosphere:	Non corrosive, non explosive, and non conducting
Altitude:	2000 metres maximum
Pollution:	Pollution degree 2 admissible, defined by IEC644
Cooling:	External heatsink required to maintain temperature specification. Allow 25mm between adjacent units
Protection (electrical):	Snubber circuits and Superior Surge Survival technology gives protection against most industrial electrical noise
Protection (mechanical):	The clear safety cover gives IP20 protection

## RV Series



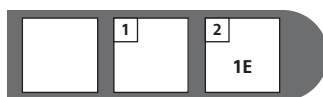
### Basic Product

RVDA	4-32V dc input, ac output
RVAA	100-280V ac input, ac output
RVMA	4-20mA input, ac output

### 1 Rating

5V25	25 Amp 575V
6V25	25 Amp 660V
5V40	40 Amp 575V
6V40	40 Amp 660V

## RS Series



### Basic Product

RSDA	4-32V dc input, ac output
RSAA	100-280V ac input, ac output

### 1 Rating

660-50	50 Amp 660V
660-75	75 Amp 660V
660-100	100 Amp 660V

## FUSE AND HOLDER

Current rating amps	Fuse and Holder assembly	Spare fuse
25	FU1038/25A/00	CH260034
32	FU1451/40A/00	CH260054
40	FU1451/40A/00	CH330054
50	Internal	CS175909U050
75	Internal	CS175909U080
100	Internal	CS175909U100

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