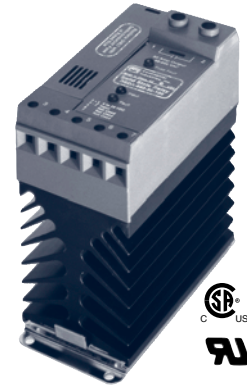




# RS Series Single Phase DIN Rail Mount Relays

## FEATURES/BENEFITS

- Automatic shutdown on overtemperature
- Built-in, replaceable, semiconductor fuse
- Integrated heat sink
- Mounts on DIN rail or panel
- Optically isolated
- Touch safe
- LED indicator (function and alarm)
- Built-in snubber
- 4000 volt isolation
- Zero voltage turn on
- Direct copper bonded
- UL recognized, CSA listed, CE approved
- 100% tested



CE  
50 Amp



## SPECIFICATIONS

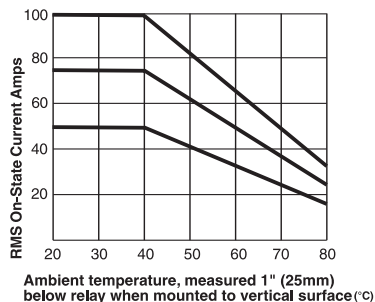
<b>Load type:</b>	Resistive
<b>Input:</b>	
<b>RSDA-DC Input:</b>	ON $\geq$ 4Vdc/6mA, 28Vdc/9mA max OFF $<$ 1Vdc
<b>RSAA-AC Input:</b>	ON $\geq$ 100V, 280Vac max., 5-15mA max. OFF $<$ 20Vac, 2mA, 10k $\Omega$ impedance
<b>Output:</b>	
<b>Current ratings:</b>	50, 75 or 100 amps
<b>Voltage ratings:</b>	24V to 660V max.
<b>Frequency:</b>	47-63Hz
<b>Voltage drop:</b>	1.3Vac
<b>Pt rating:</b>	50-7,200; 75-15,000; 100-20,000
<b>Leakage:</b>	8mA
<b>Holding current:</b>	50A-50mA, 75A-100mA, 100A-100mA
<b>Peak blocking voltage:</b>	1200V
<b>Operating temperature:</b>	0°C to 40°C (up to 80°C with derating)



CE  
75 Amp



## DERATING CURVE



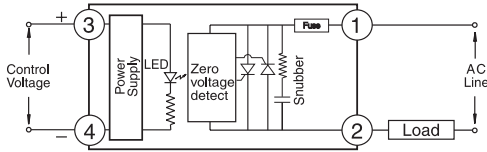
CE  
100 Amp



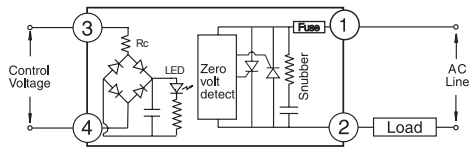
# RS Series Single Phase DIN Rail Mount Relays

## SCHEMATICS

### DC Input



### AC Input



## ORDERING CODES

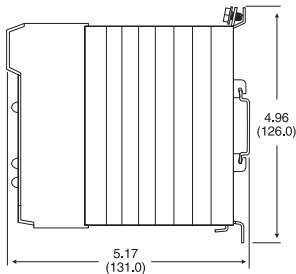
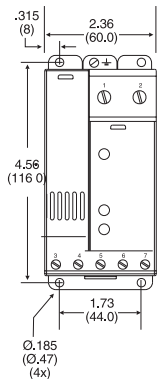
Model	
RSDA	4-28Vdc input, AC output
RSAA	100-280Vac input, AC output

Rating	
660-50-100	660V 50 amp
660-75-100	660V 75 amp
660100-100	660V 100 amp
660100-B00	660V 100 amp

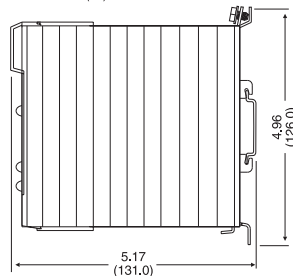
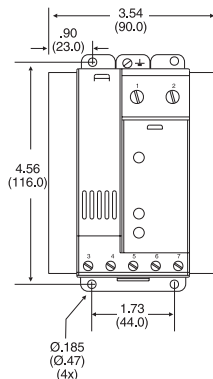
See page 16 for spare fuse selector chart.

## DIMENSIONS

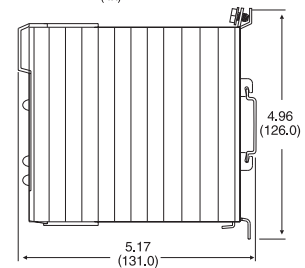
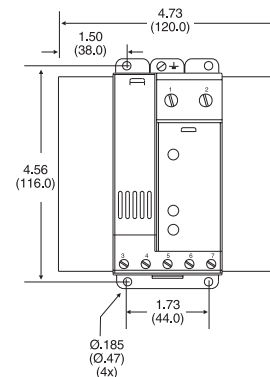
### 50 Amp



### 75 Amp



### 100 Amp



### Notes:

- Standard product features internal fuses.
- The -B00 option substitutes a copper bus bar in place of the internal I<sup>2</sup>T fuse. This permits the RSAA/RSDA to be operated on higher amperage applications without concern about fuse derating due to heat. Order the external fuse and fuseblock as a separate line item. See page 16. Consult factory regarding the 100 amp-B00 option.

### Terminals:

- Input:
- Will accept #24-10 AWG wire
  - Torque to 7-9 inch lbs.
- Output:
- Will accept #8-3 AWG wire
  - Torque to 40 inch lbs.