



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

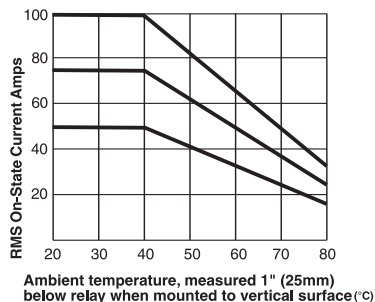
| | |
|-------------------------------|--|
| Load type: | Resistive |
| Input: | |
| RSDA-DC Input: | ON \geq 4Vdc/6mA, 28Vdc/9mA max OFF $<$ 1Vdc |
| RSAA-AC Input: | ON \geq 100V, 280Vac max., 5-15mA max. OFF $<$ 20Vac, 2mA, 10k Ω impedance |
| Output: | |
| Current ratings: | 50, 75 or 100 amps |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



CE
75 Amp



DERATING CURVE



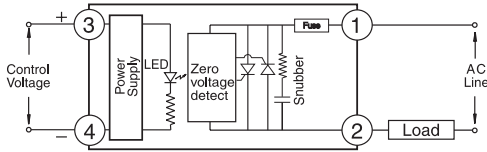
CE
100 Amp



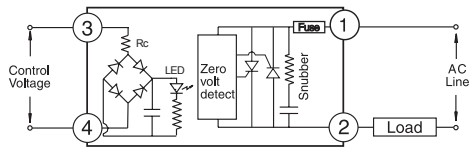
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SCHEMATICS

DC Input



AC Input



ORDERING CODES

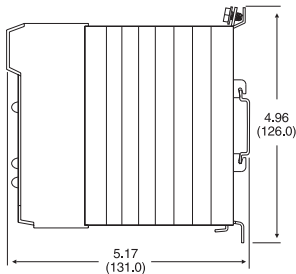
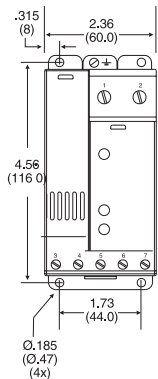
| Model | |
|-------|-----------------------------|
| RSDA | 4-28Vdc input, AC output |
| RSAA | 100-280Vac input, AC output |

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

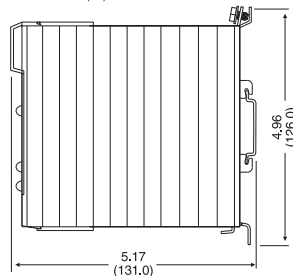
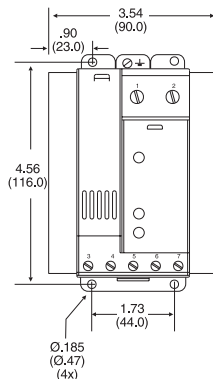
See page 16 for spare fuse selector chart.

DIMENSIONS

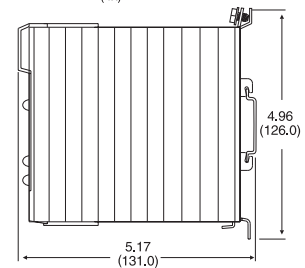
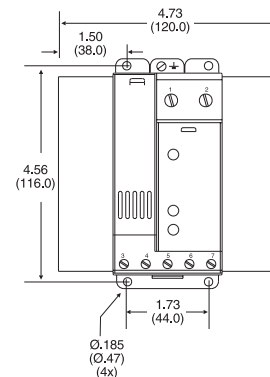
50 Amp



75 Amp



100 Amp



Notes:

- Standard product features internal fuses.
- The -B00 option substitutes a copper bus bar in place of the internal I²T 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.