

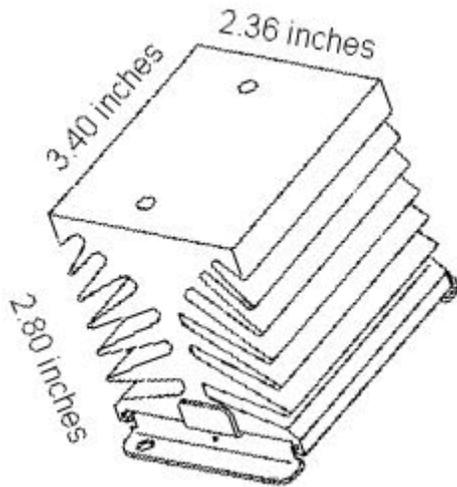
How to calculate the proper size heat sink? As your ambient temperature increases or as your amperage increases, the use of a properly sized heatsink is necessary. Hint: the smaller the "heat sink rating" number, the better the heatsink is at dissipating the heat. The new DIN heatsinks are the outstanding choice for most applications because: 1) they use the least amount of sub-plate mounting space, 2) they extend the heat sink forward for the best air flow, 3) they occupy about the same side-to-side physical space as mechanical or mercury contactors so new or retrofit installations are easy and 4) universal mounting bracket -- they can be din rail mounted for fast installations without the need for drilling and tapping pre-aligned hole patterns or they can be attached with a standard bolt. Please note: our documented DIN heat ratings are based upon the conservative estimate of being installed in "still air and clipped onto a din rail". Your actual performance will be better than our ratings if: 1) the DIN heatsinks are screwed to a metal subplate (which provides additional heatsinking capability) and/or 2) if there is any airflow in your installation.

You must use a thermal conduction grease or a [thermal pad](#) in order to achieve the proper heat sinking capability between the SSR and the heatsinks shown below.

For actual heatsink requirement calculation methods, please see document in downloads section called "TDheatsinkcalculations.pdf"

### HEATSK-DIN-1.6

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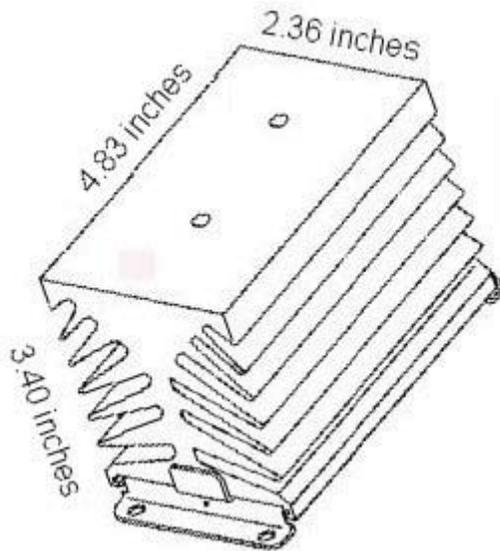


**Perfect size -- smallest outside dimensions while providing optimized heatsink capability.** Uses about the same panel space as the just the SSR while providing the proper heatsink capability that is required for the majority of "typical" 10 - 40 amp applications.

- Width: 2.36 inches
- Height: 3.40 inches, including mounting bracket
- Depth from face to din rail: 2.80 inches
- 8-32 tapped holes for relay mounting
- Attaches to a standard 35mm din rail *OR* it can be screw mounted to your electrical enclosure.
- Heat dissipation rating: 1.6°C/W
- Best value *and* smallest size for many 10-40 amp applications.

### HEATSK-DIN-1.0

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**Compact size -- small width dimensions while providing optimized heatsink capability.** An engineering-optimized design uses the minimum amount of installation space while providing the proper heatsink capability that is required for the majority of "typical" 35 - 60 amp applications.

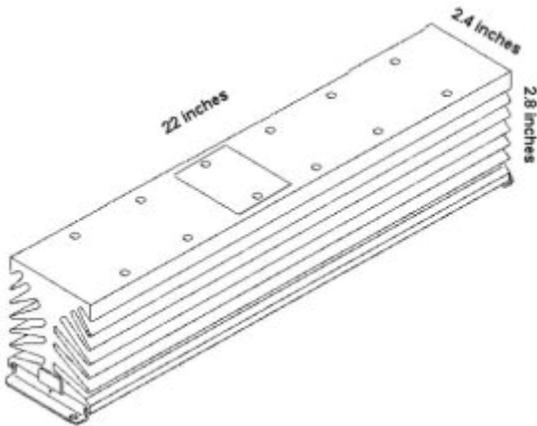
- Width: 2.36 inches
- Height: 4.83 inches, including mounting bracket
- Depth from face to din rail: 3.40 inches
- 8-32 tapped holes for relay mounting
- Clips to a 35mm din rail *OR* it can be screw mounted to your electrical enclosure (four 0.187 mounting holes)
- Heat dissipation rating: 1.0°C/W ("still air, clipped to a din rail")
- Performance engineered for thermal efficiency
- Best value *and* smallest size for many 35-60 amp applications

### HEATSK-6PK-1.2

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**Compact size -- small width dimensions while providing**

**optimized heatsink capability.** While only 2.4 inches wide and 22 inches high, the Six Pack can be populated with up to 6 SV relays.

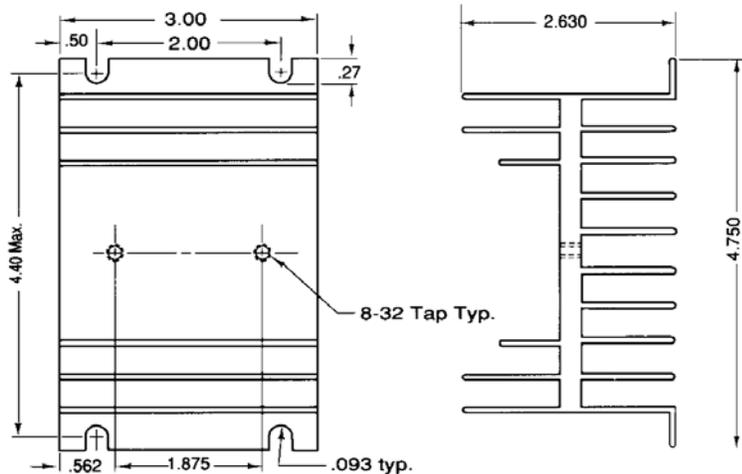


- Six single phase zones, or two (3-leg-break) three phase zones, or three (2-leg-break) three phase zones
- Up to 50 amps per zone, or up to 75 amps per zone if fan assisted
- Width: 2.4 inches
- Height: 22 inches
- Depth from face to subplate: 2.80 inches
- Twelve 8-32 tapped holes for relay mounting
- Can be screw mounted to your electrical enclosure (0.187 mounting holes)
- Heat dissipation rating: 1.2°C/W per each location ("still air, no fan")
- Performance engineered for thermal efficiency

Download the [Six Pack Data Bulletin](#) for recommendations on SSRs, amperage ratings, and fan installation information.

**S505-HEATSK-1.5:**

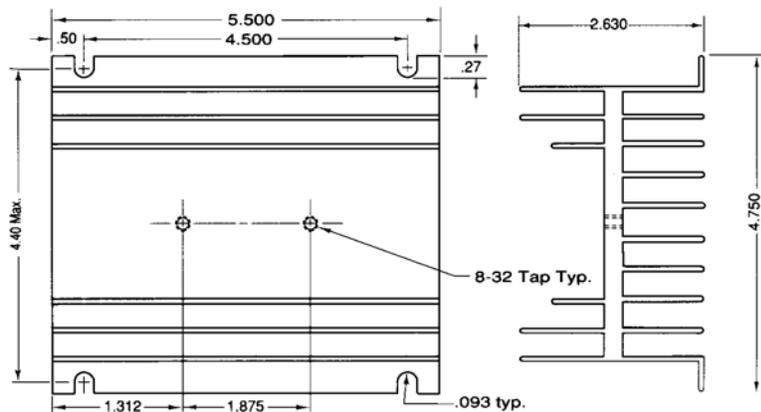
The following two traditional Continental heatsinks offer good cooling performance in most industrial applications. Available only as panel mounted styles.



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Still available and in stock. However, the new HEATSK-DIN-1.6 or HEATSK-DIN-1.0 occupies less space and costs less. The S505-HEATSK-1.5 provides a 1.5C/W rating based on "still air, screw mounted to a metal surface" such as the electrical cabinet's subplate. This heatsink should be installed so the air rises up and through the fins. Therefore, the recommended installation area is 4.75 inches wide by 3 inches high.

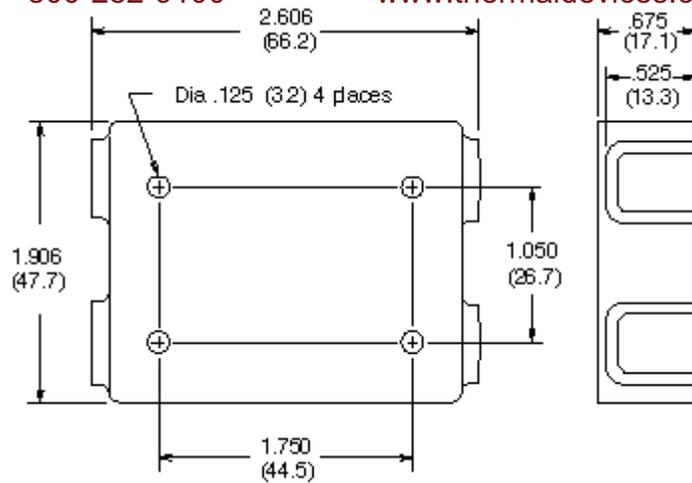
**S505-HEATSK-1.0:**



[Request Quote](#)

Still available and in stock. However, the new HEATSK-DIN-1.0 occupies half of the space and provides similar cooling capability at a lower price. The S505-HEATSK-1.0 provides a 1.0C/W rating based on "still air, screw mounted to a metal surface" such as the electrical cabinet's subplate. This heatsink should be installed so the air rises up and through the fins. Therefore, the recommended installation area is 4.75 inches wide by 5.5 inches high.

**COVR-SAFETY-000:**



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The safety cover is provided as standard on the SV family of solid state relays. Maintenance personnel can probe through holes in the cover to test the relay. These safety covers are frequently required by local electrical codes, CE regulations or other local safety organizations.

For Sales or Technical Support, please contact one of our Sales Engineers TODAY:

Thermal Devices, Inc.  
Mount Airy, Maryland USA  
Ph: 800-282-9100  
Fx: 301-831-5147

sales@thermaldevices.com

www.thermaldevices.com