

# **Solid-state, Zero-cross 2000VA+ Relay Prototype (DIN-RAIL mount) DRSSRZC-01**

- Product Description



## Description:

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This prototype Solid State relay its a finished and evaluated prototype unit. Its implemented with a 40A Triac fired at AC voltage zero cross, and has an isolated input. It also contains an integrated snubber. The housing drastically limits the rated power, which with a more adequate heatsink can exceed 5KVA. In this (more or less heat insulated) housing the evaluation has show us a maximum continuous power of over 2KVA without exceeding Tamb + 40°C.

## Characteristics:

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- 40A Triac
- Zero cross start
- Integrated snubber
- 2000VA Max Load continuous (in this housing)
- Over 10KW pulsed power
- Resistive or Inductive loads
- Isolated 230V control input
- Able to re-designed in order fit your exact demands/box etc
- Low Cost

## Applications:

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- Heating elements
- Other power systems

## Ratings\*:

Description	Value	Unit
Supply Voltage	230	V AC
Frequency	50-60	Hz
Maximum continuous Load Power**	2000	W
Ambient temperature range	-40 to +60	°C

## Connections\*:

Description	Terminal
Load	1
Line	2
Input 1 (230V AC / 50Hz)	3
Input 2 (230V AC / 50Hz)	4

\* As this product is a prototype, specifications are not mandatory and can/may change in the final product