

## GNR SERIES 22.5MM RELAY

GNR30DHR

DIN Rail SSR 22.5mm 600V ac 30A, 4-32V dc In, Inst.

- Load current 10, 20 and 30A
- Operating voltage 24-280 VAC and 48-600 VAC
- Control voltage 4-32 VDC, 90-140 VAC and 180-280 VAC
- Broad range of power ratings



### PRODUCT DESCRIPTION

These relays offer a broad range of power ratings which makes them suitable for diverse applications. Their high reliability and efficient design have made of them a market favorite for many years.

- Current ratings of 10, 20 and 30 amps
- Output voltage ratings: 24-280 and 48-600 VAC
- Direct Bond Copper (DBC) Substrate
- LED input status indicator
- UL 508 Endurance Rating for Enhanced Reliability
- UL/CSA/TUV Approved, CE Compliant
- Built-in overvoltage protection
- DIN Rail or Panel Mount
- Zero voltage or Instantaneous turn-on output

## TECHNICAL DATA

### OVERVIEW

|                     |                       |
|---------------------|-----------------------|
| Output current      | 30 A                  |
| Output voltage      | 48-600V ac            |
| Control voltage     | 4-32V dc              |
| Type of control     | Instantaneous turn on |
| Activation          | Instantaneous         |
| Additional features | Relay configuration   |

### OUTPUT SPECIFICATION

|                |            |
|----------------|------------|
| Output voltage | 48-600V ac |
|----------------|------------|

|  |                       |
|--|-----------------------|
| Peak current                           | 716                   |
| Voltage drop over semiconductor at max | 1.35 V                |
| Number of poles                        | 1                     |
| I <sup>2</sup> t value                 | 2562 A <sup>2</sup> s |

### INPUT SPECIFICATION

|                   |          |
|-------------------|----------|
| Control voltage   | 4-32V dc |
| Turn-off voltage  | 1 V      |
| Input current min | 6 mA     |
| Input current max | 10 mA    |
| Response time     | 10 ms    |
| Release time      | 10 ms    |

### GENERAL SPECIFICATION

|                             |                         |
|-----------------------------|-------------------------|
| Insulation voltage in/out   | 2500 V                  |
| Temperature operational min | -20 °C                  |
| Temperature operational max | 80 °C                   |
| Storage temperature max     | 100 °C                  |
| Storage temperature min     | -40 °C                  |
| Weight                      | 225 g                   |
| Height                      | 89.8 mm                 |
| Width                       | 22.5 mm                 |
| Depth                       | 120.8 mm                |
| LED indication              | Input status indication |
| Approvals                   | CE, CSA, EMC, UL        |
| IP class                    | IP20                    |
| Load voltage                | AC                      |



