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# GNR SERIES 22.5MM RELAY

GNR20DHR
DIN Rail SSR 22.5mm 600V ac 20A, 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** | 20 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 |

| | |
|---|---|
| **2421_Peak current (A)** | 286 |
| **Voltage drop over semiconductor at max** | 1.35 V |
| **Number of poles** | 1 |
| **I2t value** | 410 A²s |

## 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 |









