

## 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
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Peak current	286
Voltage drop over semiconductor at max	1.35 V
Number of poles	1
I <sup>2</sup> t value	410 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

