

GNR SERIES 45MM RELAY

GNR35DHZ
 DIN Rail SSR 45mm 600V ac 35A, 4-32V dc In, ZC

- Load current 35A and 45A
- Operating Voltage 48-600 VAC
- Control Voltage 4-32 VDC, 90-140 VAC and 180-260 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 35 and 45 amps
- Output voltage rating: 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 | 35 A |
| Output voltage | 48-600V ac |
| Control voltage | 4-32V dc |
| Connection | Screw connection |
| Type of control | Zero voltage turn on |
| Activation | 0 V |
| Additional features | Relay configuration |

OUTPUT SPECIFICATION

| | |
|---|-----------------------|
| Output voltage | 48-600V ac |
| Leakage current at V max, T=25°C max | 1 mA |
| Peak voltage | 1100 V |
| 2421_Peak current (A) | 130 |
| Voltage drop over semiconductor at max | 1.35 V |
| Number of poles | 1 |
| I²t value | 2230 A ² s |

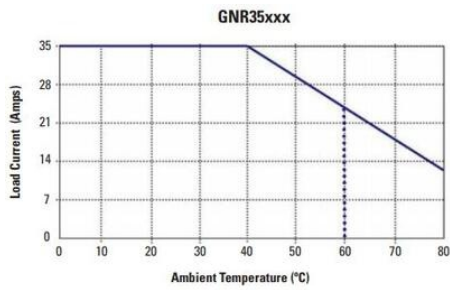
INPUT SPECIFICATION

| | |
|--------------------------|----------|
| Control voltage | 4-32V dc |
| Turn-off voltage | 1 V |
| Input current min | 16 mA |
| Input current max | 19 mA |
| Response time | 10 ms |
| Release time | 10 ms |

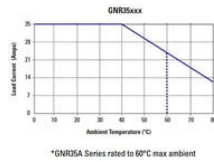
GENERAL SPECIFICATION

| | |
|------------------------------------|-------------------------|
| Insulation voltage in/out | 4000 V |
| Temperature operational min | -20 °C |
| Temperature operational max | 80 °C |
| Storage temperature max | 100 °C |
| Storage temperature min | -40 °C |
| Weight | 400 g |
| Height | 88.1 mm |
| Width | 45 mm |
| Depth | 120.7 mm |
| LED indication | Input status indication |
| Approvals | CE, CSA, EMC, UL |
| IP class | IP20 |

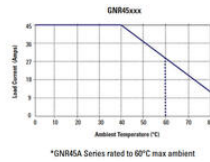
| | |
|---------------------|----|
| Load voltage | AC |
|---------------------|----|



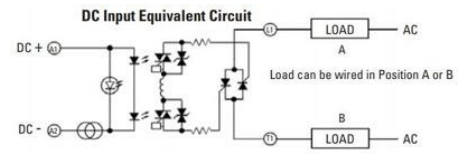
*GNR35A Series rated to 60°C max ambient



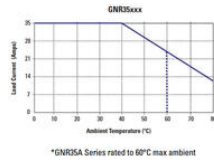
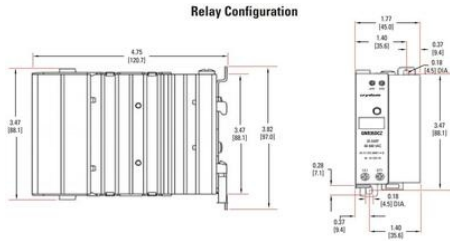
*GNR5A Series rated to 60°C max ambient



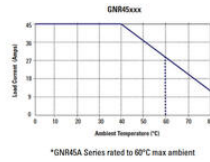
*GNR6A Series rated to 60°C max ambient



Relay Configuration



*GNR5A Series rated to 60°C max ambient



*GNR6A Series rated to 60°C max ambient