

GNR SERIES 90MM RELAY

GNR25DCR
DIN Rail 3ph SSR 90mm 600V ac 25A, 4-32V dc In,
Inst.



- Load current 25A
- Operating Voltage 48-600 VAC
- Control Voltage 4-32 VDC, 90-140 VAC and 180-280 VAC



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 rating: 25 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 | 25 A |
| Output voltage | 48-600V ac |
| Control voltage | 4-32V dc |
| Connection | Screw connection |
| Type of control | Instantaneous turn on |
| Activation | Instantaneous |

| | |
|---------------------|---------------------------------|
| Additional features | Overvoltage protection built in |
|---------------------|---------------------------------|

OUTPUT SPECIFICATION

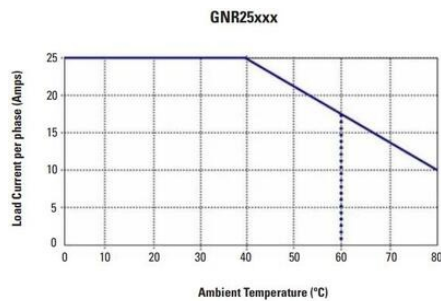
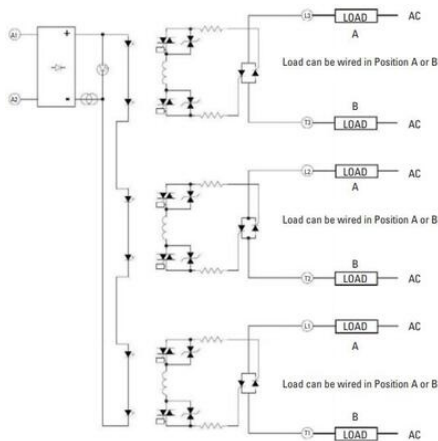
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|--|----------------------|
| Output voltage | 48-600V ac |
| Peak voltage | 1100 V |
| Peak current | 130 |
| Voltage drop over semiconductor at max | 1.3 V |
| Number of poles | 3 |
| I ² t value | 410 A ² s |

INPUT SPECIFICATION

| | |
|-------------------|----------|
| Control voltage | 4-32V dc |
| Turn-off voltage | 1 V |
| Input current min | 22 mA |
| Input current max | 28 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 | 600 g |
| Height | 91.2 mm |
| Width | 90 mm |
| Depth | 123.4 mm |
| LED indication | Input status indication |
| Approvals | CE, CSA, EMC, UL |
| IP class | IP20 |
| Load voltage | AC |



*GNR25A Series rated to 60°C max ambient

