

## GNR SERIES 90MM RELAY

GNR25DCZ

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



- 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	Zero voltage turn on
Activation	0 V

Additional features	Overvoltage protection built in
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## OUTPUT SPECIFICATION

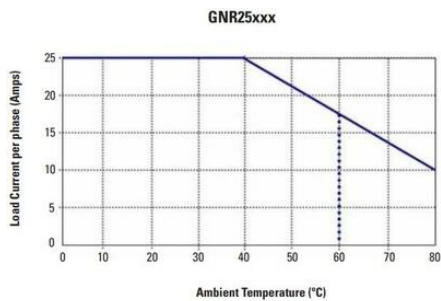
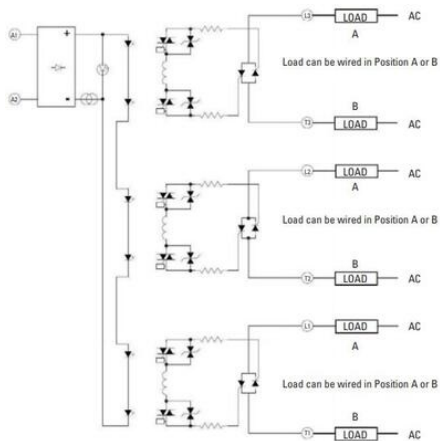
Output voltage	48-600V ac
Peak voltage	1100 V
Peak current	130
Voltage drop over semiconductor at max	1.3 V
Number of poles	3
I <sup>2</sup> t value	410 A <sup>2</sup> s

## INPUT SPECIFICATION

Control voltage	4-32V dc
Turn-off voltage	1 V
Input current min	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



\*GNR25A Series rated to 60°C max ambient

