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# GN SERIES

84137221
Panel Mount SSR IP20 280V ac 50A, 90-280V ac In, Inst.




- Load current 10-125A
- Operating Voltage 24-280VAC and 48-660VAC
- Control Voltage 3-32VDC, 18-36VAC and 90-280VAC
- Optional IP20 touch-safe cover

### PRODUCT DESCRIPTION

The GN Series offers a group of robust and versatile general-purpose AC and DC Panel Mount relays. These powerful single phase SSRs have superior thermal performance thanks to the use of DBC technology and are available in IP20 or IP00 protection degree packages.
These new generation solid state relays all feature anti-rotation barriers, flexible control voltage options, LED input status indicator, overvoltage protection (on all AC output relays), and a wide range of power ratings to make product selection easier.
• Current rating 10 and 125 Amps
• Output voltage 24-280 VAC and 48-660 VAC
• Available with or without IP20 touch-safe cover
• LED Input Status Indicator
• UL Approved, CE Compliant to EN60950-1
• Improved SEMS screw and washer
• Redesigned housing with anti-rotation barriers
• EMC Compliant to level 3Product selection

# TECHNICAL DATA

## OVERVIEW

| | |
|---|---|
| **Output current** | 50 A |
| **Output voltage** | 24-280V ac |
| **Control voltage** | 90-280V ac |
| **Type of control** | Zero voltage turn on |
| **Additional features** | IP20 Touch Safe Cover |

## OUTPUT SPECIFICATION

| | |
|---|---|
| **Output voltage** | 24-280V ac |
| **Peak voltage** | 600 V |
| **Thermal resistance junction to case** | 0.25 °C/W |
| **Minimum heat sink for rated current @ 40 °C** | 1 °C/W |

| | |
|---|---|
| **Number of poles** | 1 |
| **I2t value** | 2520 A²s |

## INPUT SPECIFICATION

| | |
|---|---|
| **Control voltage** | 90-280V ac |
| **Input current min** | 6 mA |
| **Input current max** | 10 mA |

## GENERAL SPECIFICATION

| | |
|---|---|
| **Insulation voltage in/out** | 4000 V |
| **Temperature operational min** | -40 °C |
| **Temperature operational max** | 80 °C |
| **Storage temperature max** | 125 °C |
| **Storage temperature min** | -40 °C |
| **Weight** | 72 g |
| **Height** | 58.8 mm |
| **Width** | 44.5 mm |
| **Depth** | 30.9 mm |
| **LED indication** | Input Status LED |
| **Approvals** | CE, CSA, EMC, UL |
| **IP class** | IP20 |







