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# CROUZET - GN SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84137211N
SSR 25A 24-280 VAC Out 90-260 VAC In Ins




- Zero cross or instantaneous switching
- Output current: 10 - 125 Amps
- Built-in over voltage protection (zero cross only)
- LED input status indicator

**PRODUCT DESCRIPTION**

# TECHNICAL DATA

## INPUT DATA

| | |
|---|---|
| **Control voltage** | 90-260V ac |
| **Must turn-off voltage** | 5V ac |
| **LED input status indicator** | Green |
| **Input Current Max** | 10 mA |
| **Input current min** | 6.5 mA |
| **Minimum turn-on voltage** | 90V ac |

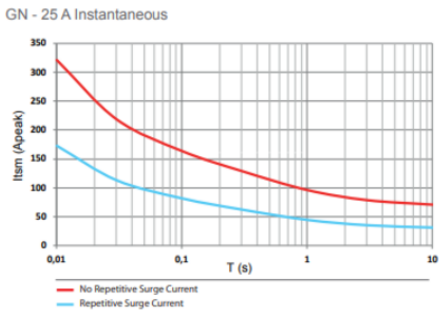
## OUTPUT DATA

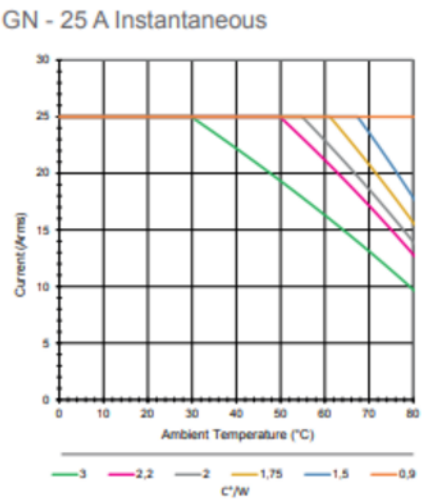
| | |
|---|---|
| **Number of poles** | 1 |
| **Type of control** | Instantaneous turn on |
| **Minimum Load Current** | 5 mA rms |
| **Maximum Load Current** | 25 A rms |
| **Maximum on-state voltage drop** | 1.08V |
| **Maximum 1/2 Cycle $I^2 t$ for fusing ($A^2$ sec)** | 512/882 |
| **Maximum turn-off time (ms)** | 1/2 cycle |
| **Maximum turn-on time (ms)** | <0.1 |
| **Maximum 1 cycle surge current** | 270/284 (min) 340 (typ) |

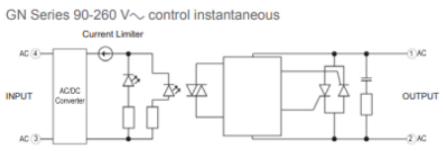
| | |
|---|---|
| **Maximum off-state leakage current** | 5 mA rms |
| **Transient Voltage** | 600 V pk |
| **Minimum heat sink for rated current @ 40 °C** | 2.6 °C/W |
| **1 Second surge current** | 100 A |
| **Output voltage** | 24-280V ac |
| **Output current** | 25 A |
| **Thermal resistance junction to case** | 0.7 °C/W |

## GENERAL DATA

| | |
|---|---|
| **Mounting** | Panel mount |
| **Width** | 44.5 mm |
| **Depth** | 29.1 mm |
| **Height** | 59.4 mm |
| **Approvals** | CE, cRUus, VDE |
| **Dielectric strength input to output (50/60Hz)** | 4000 V rms |
| **Material base** | Aluminium |
| **Housing material** | UL94 V-0 |
| **Ambient operating temperature** | -40 ... +80°C |
| **Ambient storage temperature** | -40 ... +100°C |
| **Weight** | 80 g |

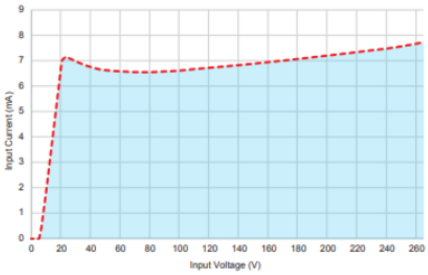


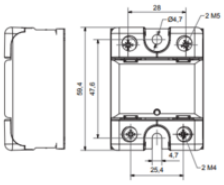



Input current vs Input Voltage

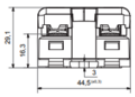
Standard Regulated AC inputs



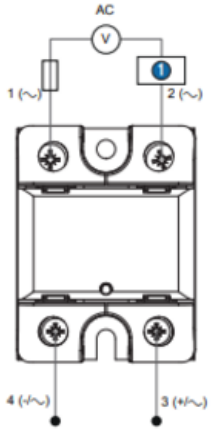

GN front view




GN side view




GN




**For the random (instantaneous) models, external overvoltage protection is recommended: TVS Diode**

1 *Load*