

## CROUZET - GNAD SERIES SOLID STATE RELAY

Panel Mount - DC Output

84137660N  
SSR 20A 5-100 VDC Out 4-32 VDC In

- DC switching
- Output current 10 - 40 Amps
- Cost effective solution
- LED input status indicator



### PRODUCT DESCRIPTION

## TECHNICAL DATA

### OVERVIEW

|                 |              |
|-----------------|--------------|
| Output current  | 20 A         |
| Output voltage  | 5-100V dc    |
| Control voltage | 4-32V dc     |
| Mounting        | Panel mount  |
| Type of control | DC Switching |

### OUTPUT SPECIFICATION

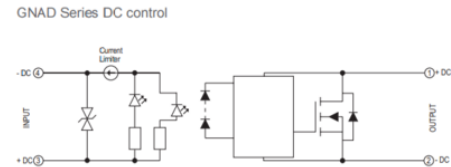
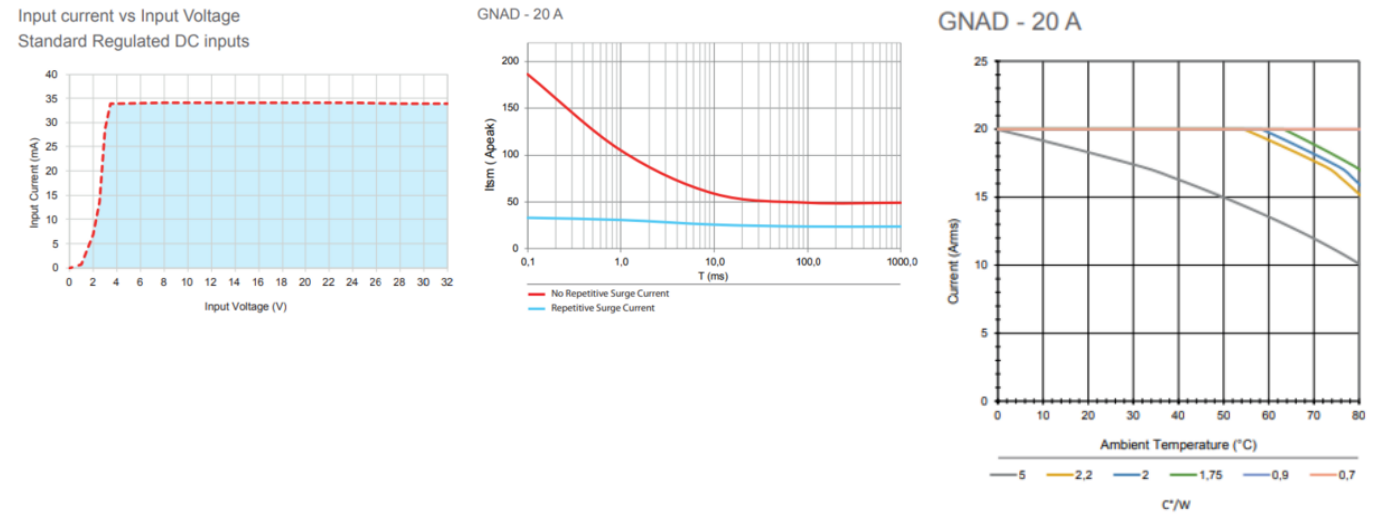
|                                             |           |
|---------------------------------------------|-----------|
| Output voltage                              | 5-100V dc |
| Maximum Load Current                        | 20 A rms  |
| Minimum Load Current                        | 5 mA rms  |
| Transient Voltage                           | 100 V pk  |
| Maximum off-state leakage current           | 3 mA rms  |
| Maximum on-state voltage drop               | 0.98V pk  |
| Thermal resistance junction to case         | 1.4 °C/W  |
| Minimum heat sink for rated current @ 40 °C | 3 °C/W    |
| Number of poles                             | 1         |

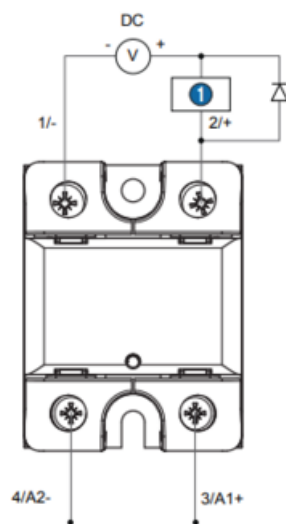
### INPUT SPECIFICATION

|                            |          |
|----------------------------|----------|
| Control voltage            | 4-32V dc |
| Maximum reverse voltage    | -32V dc  |
| Minimum turn-on voltage    | 3.5V dc  |
| Must turn-off voltage      | 1V dc    |
| Input current min          | 34 mA    |
| Input Current Max          | 35 mA    |
| Maximum turn-on time (ms)  | 0.02     |
| Maximum turn-off time (ms) | 0.02     |

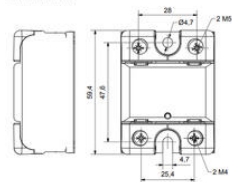
### GENERAL SPECIFICATION

|                               |                |
|-------------------------------|----------------|
| Ambient operating temperature | -25 ... +90°C  |
| Ambient storage temperature   | -40 ... +100°C |
| Weight                        | 80 g           |
| Height                        | 59.4 mm        |
| Width                         | 44.5 mm        |
| Depth                         | 29.1 mm        |
| Housing material              | UL94 V-0       |
| Material base                 | Aluminium      |
| LED input status indicator    | Green          |
| Approvals                     | CE, cRUus      |





GNAD front view



GNAD side view



# GNAD

1 Load