

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

OVERVIEW

Output current	25 A
Output voltage	24-280V ac
Control voltage	90-260V ac
Mounting	Panel mount
Type of control	Instantaneous turn on

OUTPUT SPECIFICATION

Output voltage	24-280V ac
Maximum Load Current	25 A rms
Minimum Load Current	5 mA rms
Transient Voltage	600 V pk
Maximum off-state leakage current	5 mA rms
1 Second surge current	100 A
Maximum 1 cycle surge current	270/284 (min) 340 (typ)
Maximum on-state voltage drop	1.08V
Thermal resistance junction to case	0.7 °C/W

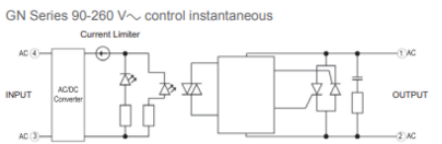
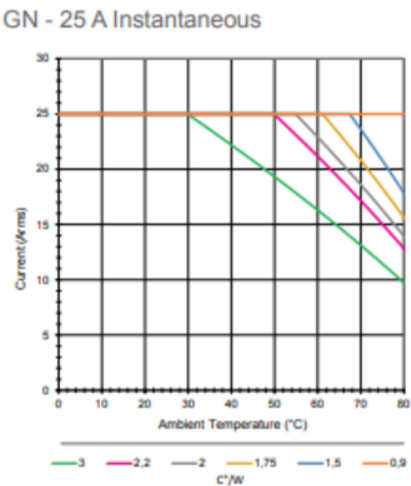
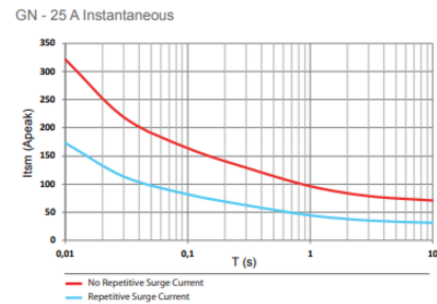
Maximum 1/2 Cycle I ² t for fusing (A ² sec)	512/882
Minimum heat sink for rated current @ 40 °C	2.6 °C/W
Number of poles	1

INPUT SPECIFICATION

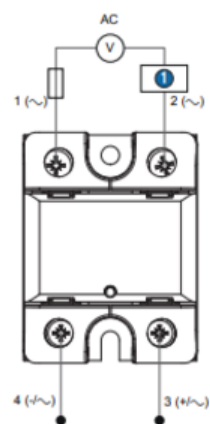
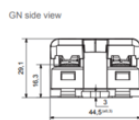
Control voltage	90-260V ac
Minimum turn-on voltage	90V ac
Must turn-off voltage	5V ac
Input current min	6.5 mA
Input Current Max	10 mA
Maximum turn-on time (ms)	<0.1
Maximum turn-off time (ms)	1/2 cycle

GENERAL SPECIFICATION

Dielectric strength input to output (50/60Hz)	4000 V rms
Ambient operating temperature	-40 ... +80°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, VDE



Input Voltage (V)	Input Current (mA)
0	0
10	6.5
20	7.2
40	6.8
60	6.5
80	6.5
100	6.6
120	6.7
140	6.8
160	6.9
180	7.0
200	7.1
220	7.2
240	7.4
260	7.8



① *Load*