

CROUZET - GN+ SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84138013N
SSR 25A 12-270 VAC Out 20-260 VAC/DC In SZC

- Zero cross switching
- Output current 25 - 125 Amps
- Built-in overvoltage protection
- LED input status indicator



PRODUCT DESCRIPTION

TECHNICAL DATA

OVERVIEW

Output current	25 A
Output voltage	12-270V ac
Control voltage	20-260V ac/dc
Mounting	Panel mount
Type of control	Special zero voltage turn on

OUTPUT SPECIFICATION

Output voltage	12-270V ac
Maximum Load Current	25 A rms
Minimum Load Current	5 mA rms
Transient Voltage	600 V pk
Maximum off-state leakage current	1 mA rms
1 Second surge current	95 A
Maximum 1 cycle surge current	250/260 (min) 340 (typ)
Maximum on-state voltage drop	1.25V
Thermal resistance junction to case	1.7 °C/W

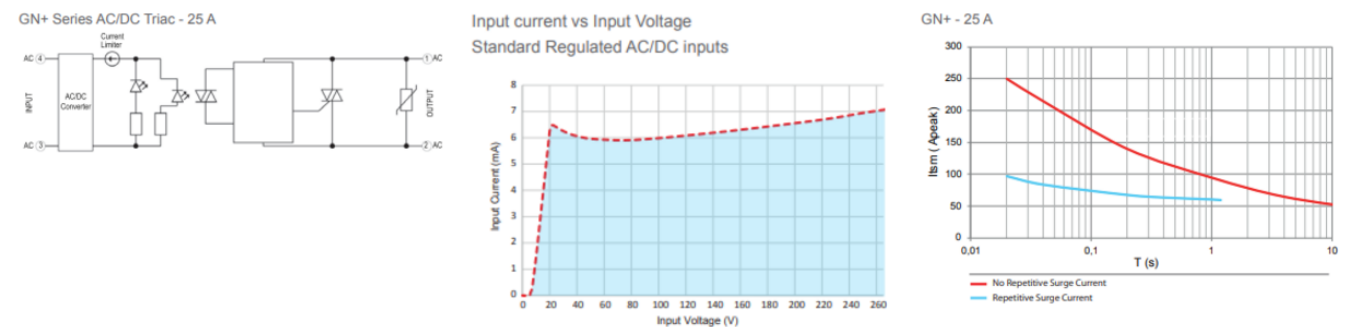
Maximum 1/2 Cycle I ² t for fusing (A ² sec)	340/600
Minimum heat sink for rated current @ 40 °C	1.3 °C/W
Number of poles	1

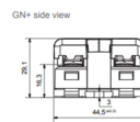
INPUT SPECIFICATION

Control voltage	20-260V ac/dc
Minimum turn-on voltage	18V ac/dc
Must turn-off voltage	5V ac/dc
Input current min	6.5 mA AC / 4.5 mA DC
Input Current Max	10 mA
Maximum turn-on time (ms)	1/2 cycle
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





The diagram shows a four-terminal device with terminals labeled 1, 2, 3, and 4. Terminals 1 and 2 are at the top, and terminals 3 and 4 are at the bottom. An AC voltage source is connected between terminals 1 and 2. A voltmeter (V) is connected between terminals 3 and 4. The device has a central U-shaped cutout at the top and a central circular feature at the bottom.

1 *Load*