

CROUZET - GN SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84137000N
 SSR 10A 24-280 VAC Out 4-32 VDC In ZC

- 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	10 A
Output voltage	24-280V ac
Control voltage	4-32V dc
Mounting	Panel mount
Type of control	Zero voltage turn on

OUTPUT SPECIFICATION

Output voltage	24-280V ac
Maximum Load Current	10 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	45 A
Maximum 1 cycle surge current	120/126 (min) 160 (typ)
Maximum on-state voltage drop	1.2V
Thermal resistance junction to case	2.3 °C/W
Maximum 1/2 Cycle I ² t for fusing (A ² sec)	78/128

Minimum heat sink for rated current @ 40 °C	5.3 °C/W
Number of poles	1

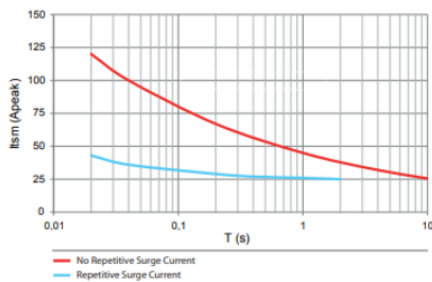
INPUT SPECIFICATION

Control voltage	4-32V dc
Maximum reverse voltage	-32V dc
Minimum turn-on voltage	3V dc
Must turn-off voltage	1V dc
Input current min	10 mA
Input Current Max	14 mA
Maximum turn-on time (ms)	1/2 cycle
Maximum turn-off time (ms)	1/2 cycle

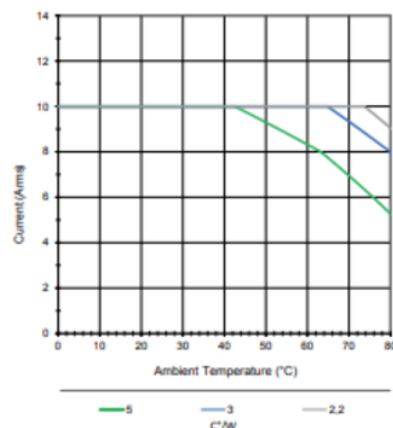
GENERAL SPECIFICATION

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

GN - 10 A



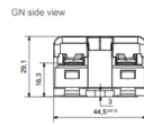
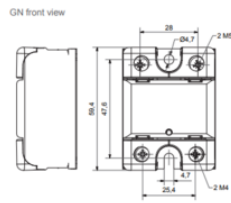
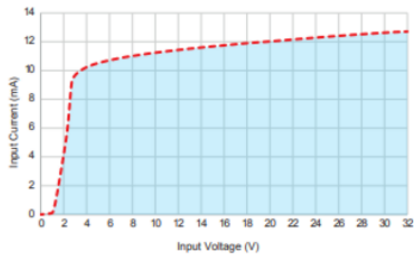
GN - 10 A



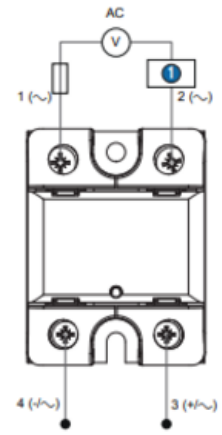
GN Series 4-32 V_{DC} control (Triac) - 10 A / 25 A (280 V_{AC})



Input current vs Input Voltage
Standard Regulated DC inputs



GN



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

① Load