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CROUZET - GN SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84137122N
SSR 50A 48-660 VAC Out 18-36V AC/DC 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

INPUT DATA

Control voltage	18-36V ac/dc
Must turn-off voltage	5V ac/dc
LED input status indicator	Green
Input Current Max	10 mA
Input current min	5 mA AC / 4 mA DC
Minimum turn-on voltage	18V ac/dc

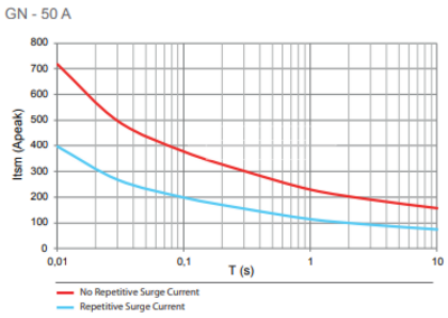
OUTPUT DATA

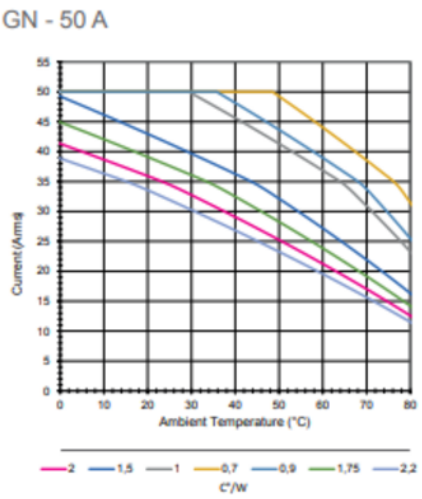
Number of poles	1
Type of control	Zero voltage turn on
Minimum Load Current	5 mA rms
Maximum Load Current	50 A rms
Maximum on-state voltage drop	1.38V
Maximum 1/2 Cycle $I^2 t$ for fusing (A^2 sec)	2450/2800
Maximum turn-off time (ms)	1/2 cycle
Maximum turn-on time (ms)	1/2 cycle
Maximum 1 cycle surge current	700/_ (min) 750 (typ)

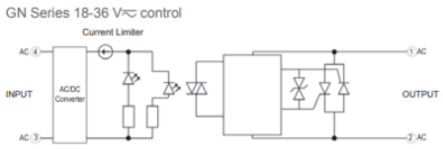
Maximum off-state leakage current	1 mA rms
Transient Voltage	1200 V pk
Minimum heat sink for rated current @ 40 °C	0.84 °C/W
1 Second surge current	230 A
Output voltage	48-660V ac
Output current	50 A
Thermal resistance junction to case	0.4 °C/W

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

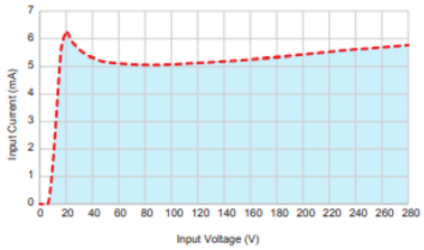




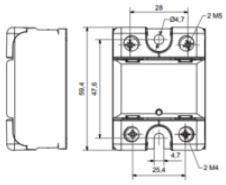


Input current vs Input Voltage

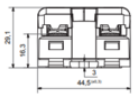
Standard Regulated AC/DC inputs



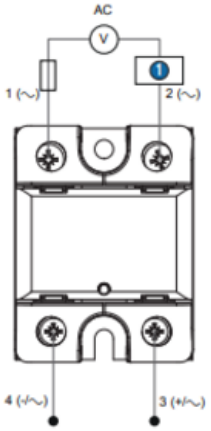
GN front view



GN side view



GN



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

1 *Load*