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CROUZET - GN+ SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84138123N
SSR 50A 24-500 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	50 A
Output voltage	24-500V ac
Control voltage	20-260V ac/dc
Mounting	Panel mount
Type of control	Special zero voltage turn on

OUTPUT SPECIFICATION

Output voltage	24-500V ac
Maximum Load Current	50 A rms
Minimum Load Current	5 mA rms
Transient Voltage	1200 V pk
Maximum off-state leakage current	1 mA rms
1 Second surge current	230 A
Maximum 1 cycle surge current	700/_ (min) 750 (typ)
Maximum on-state voltage drop	1.37V
Thermal resistance junction to case	0.4 °C/W
Maximum 1/2 Cycle I^2 t for fusing (A^2 sec)	2450/2800

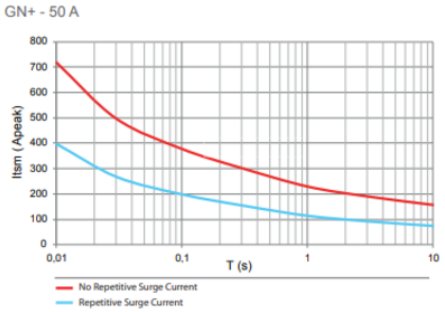
Minimum heat sink for rated current @ 40 °C	0.78 °C/W
Number of poles	1

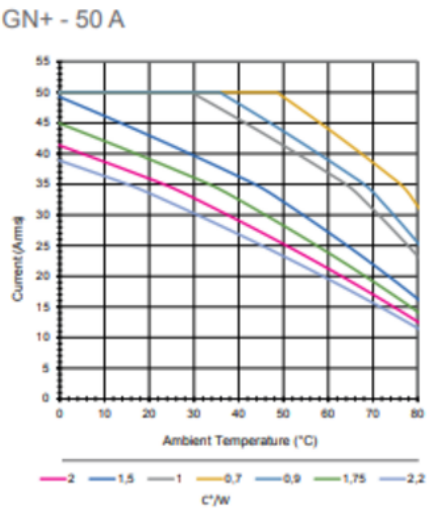
INPUT SPECIFICATION

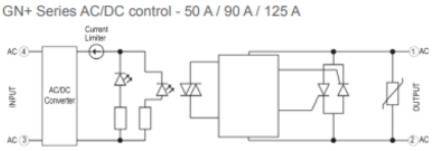
Control voltage	20-260V ac/dc
Minimum turn-on voltage	18V ac/dc
Must turn-off voltage	5V ac/dc
Input current min	6.5 mA AC / 4.5 mA DC
Input Current Max	10 mA
Maximum turn-on time (ms)	1/2 cycle
Maximum turn-off time (ms)	1/2 cycle

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

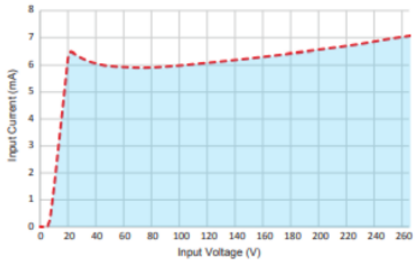




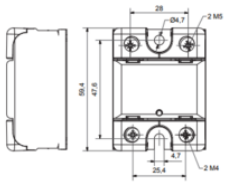


Input current vs Input Voltage

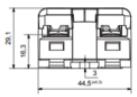
Standard Regulated AC/DC inputs



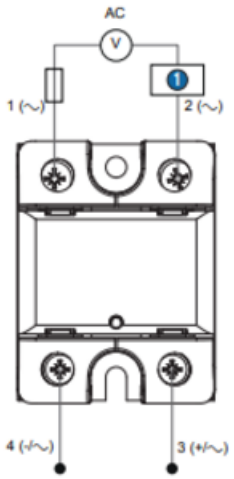
GN+ front view



GN+ side view



GN+



Protection in the mains (fuses/circuit breaker)

1 *Load*