OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

CROUZET - GN+ SERIES SOLID STATE RELAY

Panel Mount - AC Output Single Phase

84138153N
SSR 90A 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	90 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	90 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	347 A
Maximum 1 cycle surge current	1100/_ (min) 1200 (typ)
Maximum on-state voltage drop	1.4V
Thermal resistance junction to case	0.3 °C/W
Maximum 1/2 Cycle I^2 t for fusing (A^2 sec)	6000/7200

Minimum heat sink for rated current @ 40 °C	0.33 °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

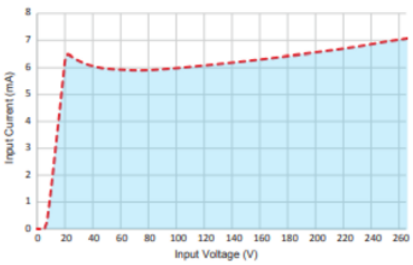
GENERAL SPECIFICATION

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

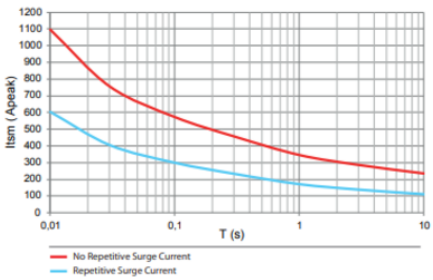
GN+ Series AC/DC control - 50 A / 90 A / 125 A



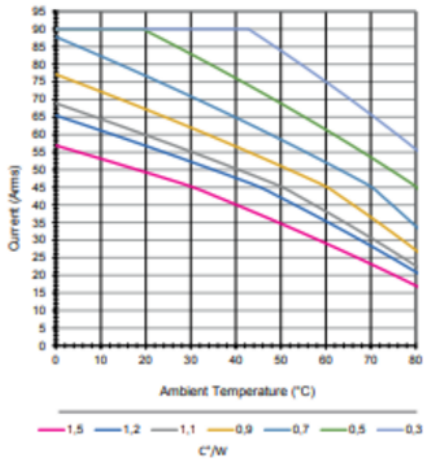
Input current vs Input Voltage
Standard Regulated AC/DC inputs



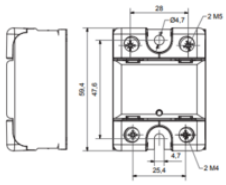
GN+ - 90 A



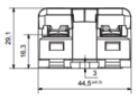
GN+ - 90 A



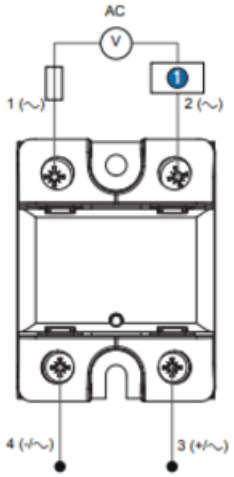
GN+ front view



GN+ side view



GN+



Protection in the mains (fuses/circuit breaker)

1 *Load*