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

CROUZET - GNR+ SERIES SOLID STATE RELAY

DIN Rail - AC Output Single Phase

GNR45DCZP
SSR 45A 24-500 VAC Out 4-32 VDC In ZC



- Zero cross switching
- Output current 30 - 45 Amps
- Built-in overvoltage protection
- LED input status indicator

PRODUCT DESCRIPTION

TECHNICAL DATA

INPUT DATA

Control voltage	4-32V dc
Must turn-off voltage	2V dc
Maximum reverse voltage	-32V dc
LED input status indicator	Yellow
Input Current Max	14 mA
Input current min	10 mA
Minimum turn-on voltage	3.5V dc

OUTPUT DATA

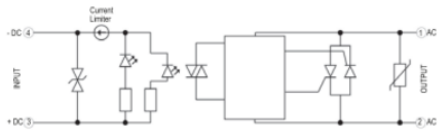
Number of poles	1
Type of control	Zero voltage turn on
Minimum Load Current	5 mA rms
Maximum Load Current	45 A rms
Maximum on-state voltage drop	1.19V pk
Maximum 1/2 Cycle I^2t for fusing (A^2 sec)	1680
Maximum turn-off time (ms)	1/2 Cycle
Maximum turn-on time (ms)	1/2 Cycle

Maximum 1 cycle surge current	530/_ (min) 580 (typ)
Maximum off-state leakage current	1 mA rms
Transient Voltage	1200 V pk
1 Second surge current	165
Output voltage	24-500V ac
Output current	45 A
Thermal resistance junction to case	55 °C/W

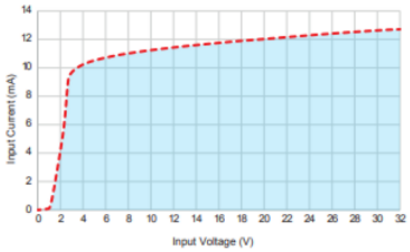
GENERAL DATA

Mounting	DIN rail
Width	45 mm
Depth	98 mm
Height	90 mm
Approvals	CE, cRUus
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	275 g

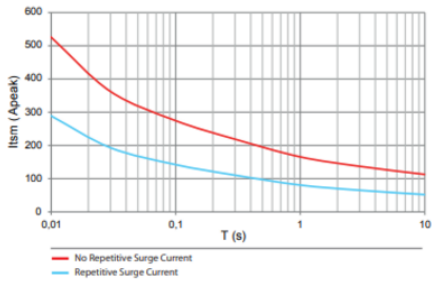
GNR+ series 4-32 V⎓ control



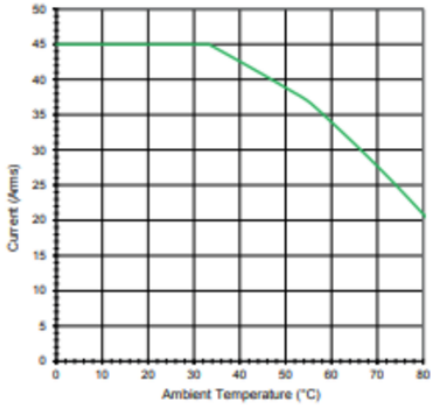
Input current vs Input Voltage
Standard Regulated AC inputs



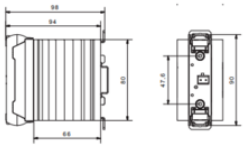
GNR+ - 45 A



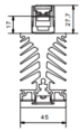
GNR+ - 45 A



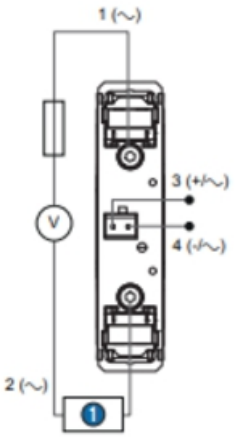
GNR+ 45 mm front view - GNR45DCZP



GNR+ 45 mm front view



GNR+



GNR+

1 *Load*