

## CROUZET - GNR+ SERIES SOLID STATE RELAY

DIN Rail - AC Output Single Phase

GNR30DCZP  
 SSR 30A 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

#### OVERVIEW

Mounting	DIN rail
Type of control	Zero voltage turn on
Output current	30 A
Control voltage	4-32V dc
Output voltage	24-500V ac

#### OUTPUT SPECIFICATION

Transient Voltage	1200 V pk
Maximum off-state leakage current	1 mA rms
Minimum Load Current	5 mA rms
Maximum 1 cycle surge current	530/_ (min) 580 (typ)
Thermal resistance junction to case	0,55 °C/W
1 Second surge current	165
Number of poles	1
Maximum Load Current	30 A rms
Output voltage	24-500V ac

Maximum 1/2 Cycle I <sup>2</sup> t for fusing (A <sup>2</sup> sec)	1680
Maximum on-state voltage drop	1.08V pk

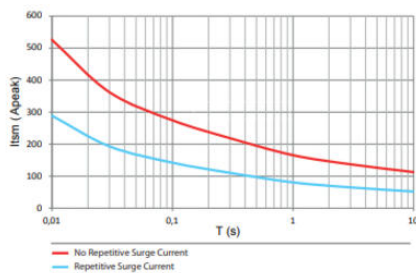
## INPUT SPECIFICATION

Input Current Max	14 mA
Minimum turn-on voltage	3.5V dc
Maximum turn-off time (ms)	1/2 Cycle
Input current min	10 mA
Maximum turn-on time (ms)	1/2 Cycle
Must turn-off voltage	2V dc
Maximum reverse voltage	-32V dc
Control voltage	4-32V dc

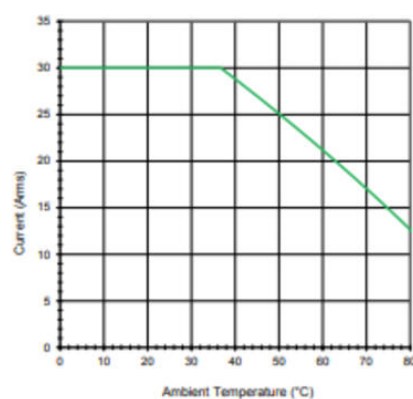
## GENERAL SPECIFICATION

Depth	98 mm
Weight	250 g
Ambient operating temperature	-40 ... +80°C
Dielectric strength input to output (50/60Hz)	4000 V rms
Width	22,5 mm
LED input status indicator	Yellow
Housing material	UL94 V-0
Ambient storage temperature	-40 ... +100°C
Material base	Aluminium
Approvals	CE, cRUus, VDE
Height	90 mm

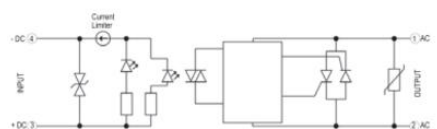
GNR+ - 30 A



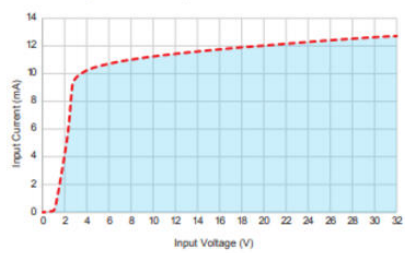
GNR+ - 30 A



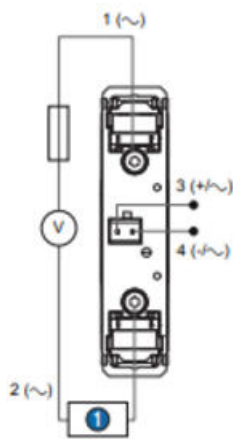
GNR+ series 4-32 V<sub>DC</sub> control



Input current vs Input Voltage  
Standard Regulated AC inputs



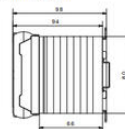
**GNR+**



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① Load

GNR+ 22.5 mm front view



GNR+ 22.5 mm side view

