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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

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

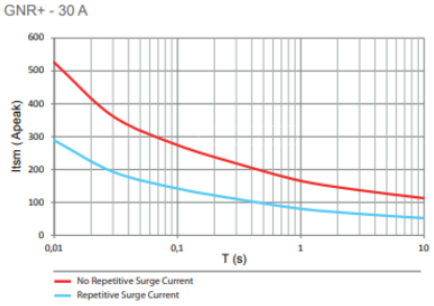
OUTPUT DATA

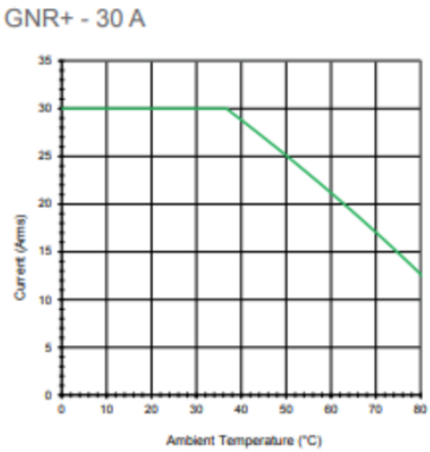
Number of poles	1
Type of control	Zero voltage turn on
Minimum Load Current	5 mA rms
Maximum Load Current	30 A rms
Maximum on-state voltage drop	1.08V pk
Maximum 1/2 Cycle $I^2 t$ for fusing (A^2 sec)	1680
Maximum turn-off time (ms)	1/2 Cycle
Maximum turn-on time (ms)	1/2 Cycle

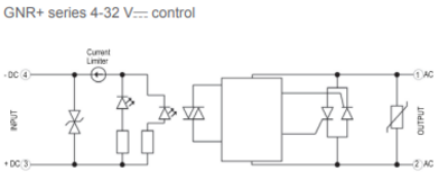
Maximum 1 cycle surge current	530/_ (min) 580 (typ)
Maximum off-state leakage current	1 mA rms
Transient Voltage	1200 V pk
1 Second surge current	165
Output voltage	24-500V ac
Output current	30 A
Thermal resistance junction to case	0.55 °C/W

GENERAL DATA

Mounting	DIN rail
Width	22.5 mm
Depth	98 mm
Height	90 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	250 g

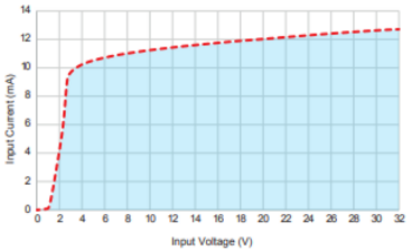




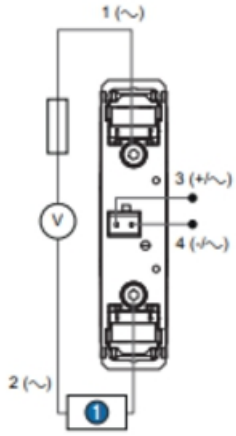


Input current vs Input Voltage

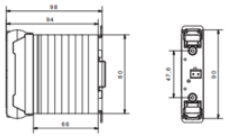
Standard Regulated AC inputs



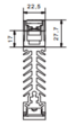
GNR+



GNR+ 22.5 mm front view



GNR+ 22.5 mm side view



GNR+

1 *Load*