OEM Automatic Ltd
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CROUZET - GNR SERIES SOLID STATE RELAY

DIN Rail - AC output Single Phase

GNR20ACZH
SSR 20A 48-660 VAC Out 180-280 VAC In ZC



- Zero cross or instantaneous switching
- Output current 20 - 30 Amps
- Built-in overvoltage protection
- LED input status indicator

PRODUCT DESCRIPTION

TECHNICAL DATA

INPUT DATA

Control voltage	180-280V ac
Must turn-off voltage	5V ac
LED input status indicator	Yellow
Input Current Max	8 mA
Input current min	4 mA
Minimum turn-on voltage	180V ac

OUTPUT DATA

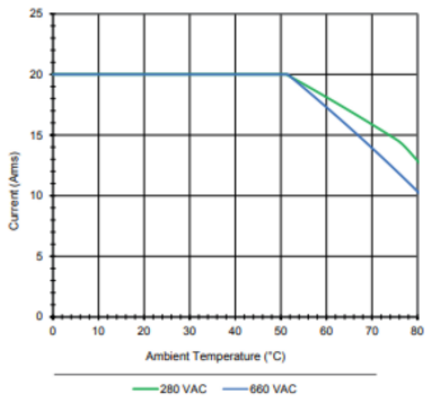
Number of poles	1
Type of control	Zero voltage turn on
Minimum Load Current	5 mA rms
Maximum Load Current	20 A rms
Maximum on-state voltage drop	1.04V pk
Maximum 1/2 Cycle $I^2 t$ for fusing (A^2 sec)	882
Maximum turn-off time (ms)	1/2 Cycle
Maximum turn-on time (ms)	1/2 Cycle
Maximum 1 cycle surge current	320/_ (min) 420 (typ)

Maximum off-state leakage current	1 mA rms
Transient Voltage	1200 V pk
1 Second surge current	165
Output voltage	48-660V ac
Output current	20 A
Thermal resistance junction to case	0.7 °C/W

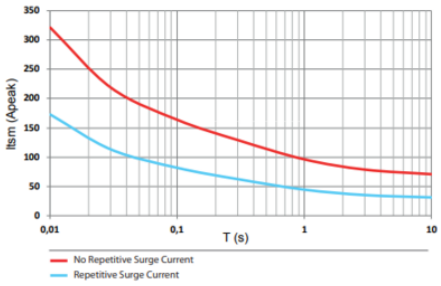
GENERAL DATA

Mounting	DIN rail
Width	22.5 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	80 g

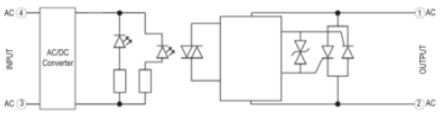
GNR - 20 A



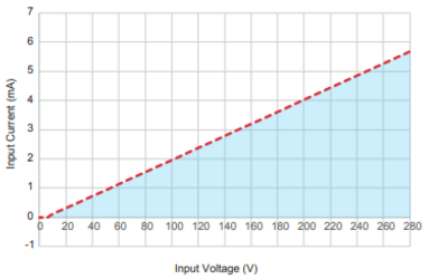
GNR - 20 A - 660 V~



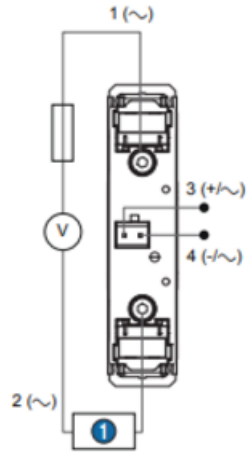
GNR series 180-280 V~ control



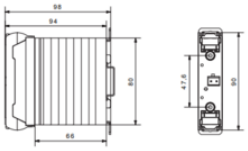
Input current vs Input Voltage
Standard Regulated DC inputs



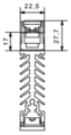
GNR



GNR front view



GNR Side view



GNR

1 *Load*