

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

OVERVIEW

Output current	45 A
Output voltage	24-500V ac
Control voltage	4-32V dc
Mounting	DIN rail
Type of control	Zero voltage turn on

OUTPUT SPECIFICATION

Output voltage	24-500V ac
Maximum Load Current	45 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	165
Maximum 1 cycle surge current	530/_ (min) 580 (typ)
Maximum on-state voltage drop	1.19V pk
Thermal resistance junction to case	55 °C/W
Maximum 1/2 Cycle I ² t for fusing (A ² sec)	1680

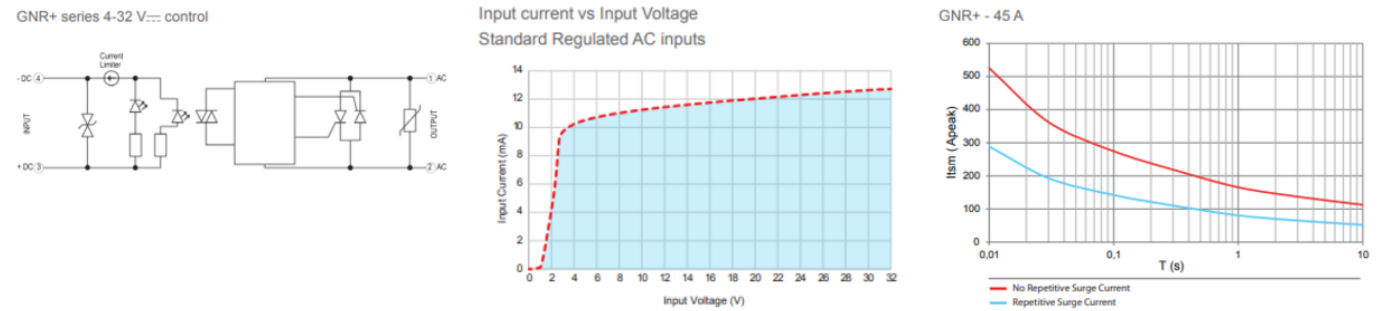
Number of poles	1
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INPUT SPECIFICATION

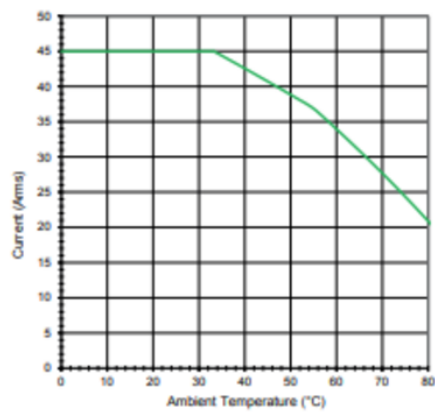
Control voltage	4-32V dc
Maximum reverse voltage	-32V dc
Minimum turn-on voltage	3.5V dc
Must turn-off voltage	2V dc
Input current min	10 mA
Input Current Max	14 mA
Maximum turn-on time (ms)	1/2 Cycle
Maximum turn-off time (ms)	1/2 Cycle

GENERAL SPECIFICATION

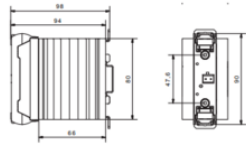
Dielectric strength input to output (50/60Hz)	4000 V rms
Ambient operating temperature	-40 ... +80°C
Ambient storage temperature	-40 ... +100°C
Weight	275 g
Height	90 mm
Width	45 mm
Depth	98 mm
Housing material	UL94 V-0
Material base	Aluminium
LED input status indicator	Yellow
Approvals	CE, cRUus



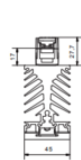
GNR+ - 45 A



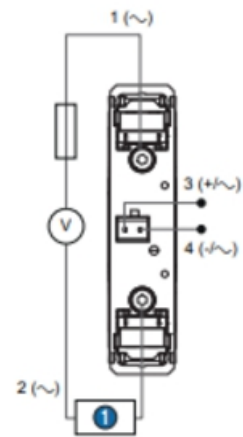
GNR+ 45 mm front view - GNR45DC2P



GNR+ 45 mm front view



GNR+



GNR+

① Load