



## GNR SERIES 22.5MM RELAY

GNR10DCZ

DIN Rail SSR 22.5mm 240V ac 10A, 4-32V dc In, ZC



- Load current 10, 20 and 30A
- Operating voltage 24-280 VAC and 48-600 VAC
- Control voltage 4-32 VDC, 90-140 VAC and 180-280 VAC
- Broad range of power ratings



### PRODUCT DESCRIPTION

These relays offer a broad range of power ratings which makes them suitable for diverse applications. Their high reliability and efficient design have made of them a market favorite for many years.

- Current ratings of 10, 20 and 30 amps
- Output voltage ratings: 24-280 and 48-600 VAC
- Direct Bond Copper (DBC) Substrate
- LED input status indicator
- UL 508 Endurance Rating for Enhanced Reliability
- UL/CSA/TUV Approved, CE Compliant
- Built-in overvoltage protection
- DIN Rail or Panel Mount
- Zero voltage or Instantaneous turn-on output

### TECHNICAL DATA

#### OVERVIEW

<b>Output current</b>	10 A
<b>Output voltage</b>	24-280V ac
<b>Control voltage</b>	4-32V dc
<b>Type of control</b>	Zero voltage turn on
<b>Activation</b>	0 V
<b>Additional features</b>	Contactor configuration

#### OUTPUT SPECIFICATION

<b>Output voltage</b>	24-280V ac
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Peak current	190 A
Voltage drop over semiconductor at max	1,5 V
Number of poles	1
I <sup>2</sup> t value	182 A <sup>2</sup> s

## INPUT SPECIFICATION

Control voltage	4-32V dc
Turn-off voltage	1 V
Input current min	6 mA
Input current max	10 mA
Response time	10 ms
Release time	10 ms

## GENERAL SPECIFICATION

Insulation voltage in/out	2500 V
Temperature operational min	-20 °C
Temperature operational max	80 °C
Storage temperature max	100 °C
Storage temperature min	-40 °C
Weight	225 g
Height	89,8 mm
Width	22,5 mm
Depth	120,8 mm
LED indication	Input status indication
Approvals	CE, CSA, EMC, UL
IP class	IP20
Load voltage	AC

