**OEM Automatic Ltd**
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# CROUZET - GNR3 SERIES SOLID STATE RELAY

DIN Rail - AC output Three Phase

GNR25DCZH
SSR 3PH 25A 24-660 VAC Out 4-32 VDC In ZC




- Output current 25 Amps
- Zero cross and Special zero cross (resistive, inductive and capacitive loads)
- LED input status indicator
- Built-in overvoltage protection

**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** | Green |
| **Input Current Max** | 25 mA |
| **Input current min** | 20 mA |
| **Minimum turn-on voltage** | 4V dc |

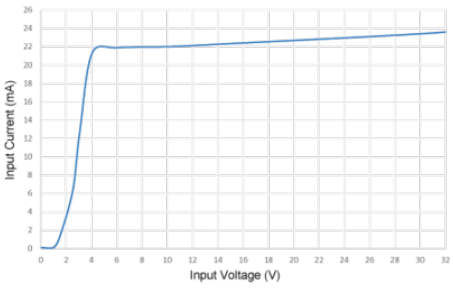
## OUTPUT DATA

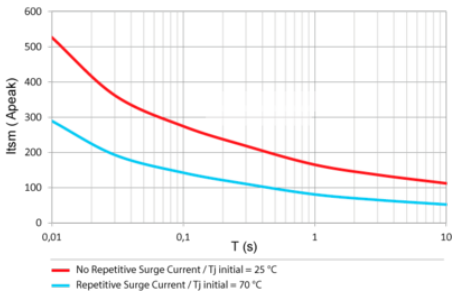
| | |
|---|---|
| **Number of poles** | 3 |
| **Type of control** | Zero voltage turn on |
| **Maximum on-state voltage drop** | 1.04V pk |
| **Maximum 1/2 Cycle $I^2 t$ for fusing ($A^2$ sec)** | 1404/1680 |
| **Maximum turn-off time (ms)** | 1/2 cycle |
| **Maximum turn-on time (ms)** | 1/2 cycle |
| **Maximum 1 cycle surge current** | 530/_(min) 580 (typ) |
| **Maximum off-state leakage current** | 1 mA rms |

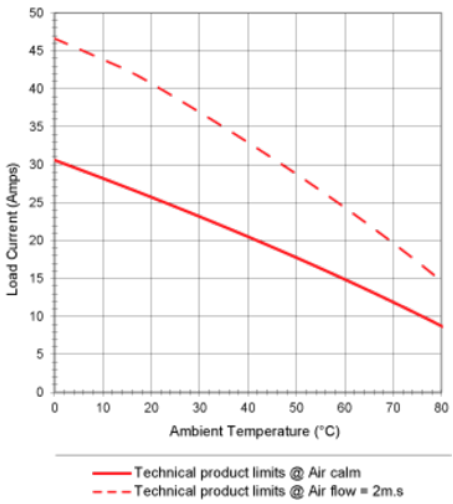
| | |
|---|---|
| **Transient Voltage** | 1200 V pk |
| **1 Second surge current** | 165 |
| **Output voltage** | 24-660V ac |
| **Output current** | 25 A |
| **Thermal resistance junction to case** | 0.55 °C/W |

## GENERAL DATA

| | |
|---|---|
| **Mounting** | DIN rail |
| **Width** | 89.8 mm |
| **Depth** | 104.7 mm |
| **Height** | 98 mm |
| **Approvals** | CE, cRUus, UKCA |
| **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** | 740 g |



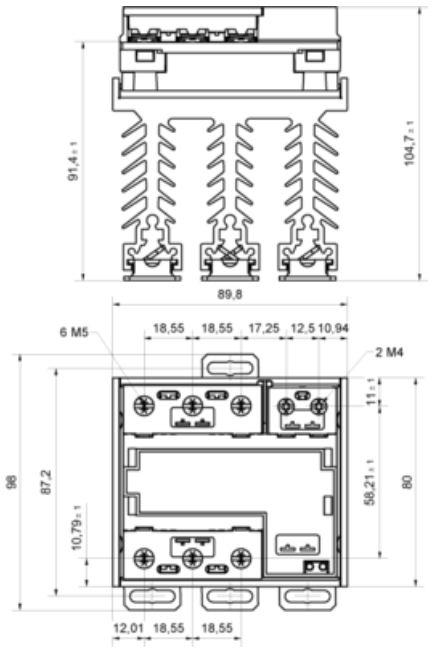



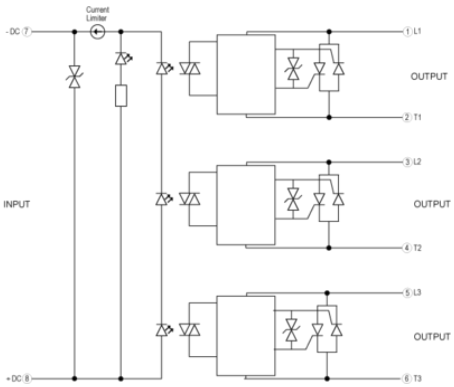



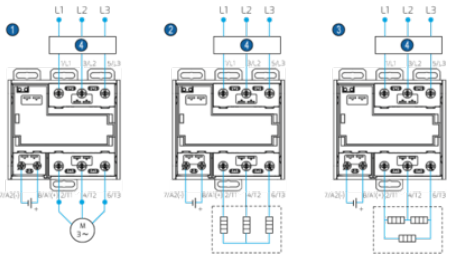







91,4 ± 1
104,7 ± 1
89,8
6 M5
18,55
18,55
17,25
12,5
10,94
2 M4
96
87,2
10,79 ± 1
11 ± 1
58,21 ± 1
80
12,01
18,55
18,55


Current Limiter
- DC 7
+ DC 8
INPUT
1 L1
OUTPUT
2 T1
3 L2
OUTPUT
4 T2
5 L3
OUTPUT
6 T3


1
2
3
L1
L2
L3
4
M
3~


3x25A
CROUZET
GNR3 SERIES
84068459N
1/L1
3/L2
5/L3
2/T1
4/T2
6/T3
7/A2-
8/A1+


3x25A
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