OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

GN SERIES

84137120
Panel Mount SSR IP20 660V ac 50A, 3-32V dc In, ZC



- Load current 10-125A
- Operating Voltage 24-280VAC and 48-660VAC
- Control Voltage 3-32VDC, 18-36VAC and 90-280VAC
- Optional IP20 touch-safe cover

PRODUCT DESCRIPTION

The GN Series offers a group of robust and versatile general-purpose AC and DC Panel Mount relays. These powerful single phase SSRs have superior thermal performance thanks to the use of DBC technology and are available in IP20 or IP00 protection degree packages.
These new generation solid state relays all feature anti-rotation barriers, flexible control voltage options, LED input status indicator, overvoltage protection (on all AC output relays), and a wide range of power ratings to make product selection easier.
• Current rating 10 and 125 Amps
• Output voltage 24-280 VAC and 48-660 VAC
• Available with or without IP20 touch-safe cover
• LED Input Status Indicator
• UL Approved, CE Compliant to EN60950-1
• Improved SEMS screw and washer
• Redesigned housing with anti-rotation barriers
• EMC Compliant to level 3Product selection

TECHNICAL DATA

OVERVIEW

Output current	50 A
Output voltage	48-660V ac
Control voltage	3-32V dc
Type of control	Zero voltage turn on
Activation	0 V
Additional features	IP20 Touch Safe Cover

OUTPUT SPECIFICATION

Output voltage	48-660V ac
Load current min	50 mA
Peak voltage	1200 V

Voltage drop over semiconductor at max	1.5 V
Thermal resistance junction to case	0.25 °C/W
Minimum heat sink for rated current @ 40 °C	1 °C/W
Number of poles	1
I2t value	2520 A²s

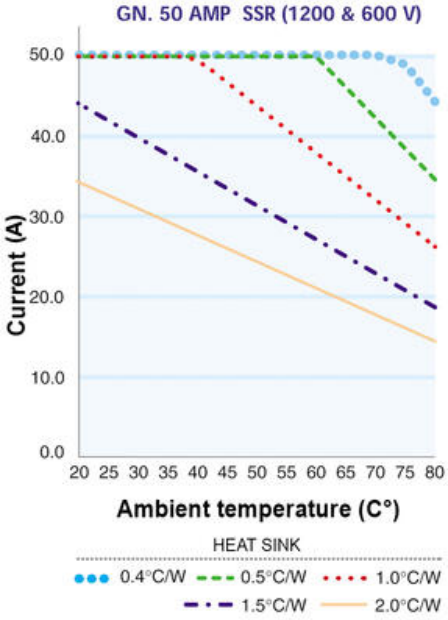
INPUT SPECIFICATION

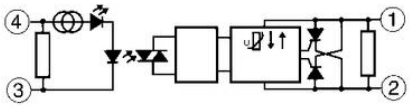
Control voltage	3-32V dc
Input current min	10 mA
Input current max	15 mA

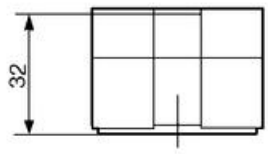
GENERAL SPECIFICATION

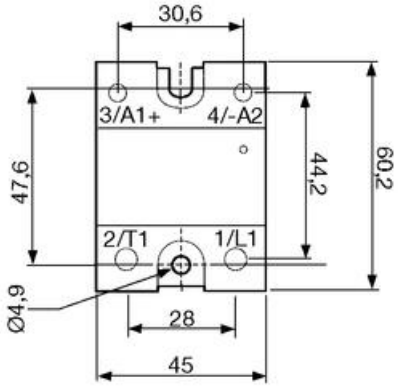
Insulation voltage in/out	4000 V
Temperature operational min	-40 °C
Temperature operational max	80 °C
Storage temperature max	125 °C
Storage temperature min	-40 °C
Weight	72 g
Height	58.8 mm
Width	44.5 mm
Depth	30.9 mm
LED indication	Input Status LED
Approvals	CE, CSA, EMC, UL
IP class	IP20

Load voltage	AC


GN. 50 AMP SSR (1200 & 600 V)
Current (A)
50.0
40.0
30.0
20.0
10.0
0.0
20 25 30 35 40 45 50 55 60 65 70 75 80
Ambient temperature (C°)
HEAT SINK
0.4°C/W
0.5°C/W
1.0°C/W
1.5°C/W
2.0°C/W


4
1
3
2


32


30,6
3/A1+
4/-A2
47,6
44,2
60,2
2/T1
1/L1
Ø4,9
28
45