

FEATURES :

TRIAC output, zero current turn-off

Each module provides 4000V of optical isolation between the field devices and the control logic.

Internal RC snubber.

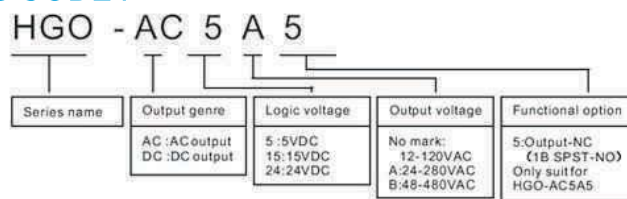
100% tested at rating current , CE compliant .

PCB Mount, Single in Line Package.

Application :

HGO series standard AC output modules adapt ignition-proof plastic cover, filled with EPOXY, PCB Mount, Single in Line Package .All the modules normally output open(1A SPST-NO) except HGO-AC5A5 (1B SPST-NC)they are widely used for the interface between computer and external devices ,specially used to control orswitch AC load:

Relays/Contactors / Motorstarters/Heaters/Solenoids/Lamp / Indicators.

SELECTING CODE :

HGO

Models :

Model No	General specification
HGO-AC5	AC output 12-140VAC,Logic volt. 5VDC
HGO-AC5A	AC output 24-280VAC,Logic volt. 5VDC
HGO-AC5B	AC output 48-480VAC,Logic volt. 5VDC
HGO-AC5A5	AC output 24-280VAC,Logic volt. 5VDC-NO
HGO-AC15	AC output 12-140VAC,Logic volt. 15VDC
HGO-AC15A	AC output 24-280VAC,Logic volt. 15VDC
HGO-AC15B	AC output 48-480VAC,Logic volt. 15VDC
HGO-AC24	AC output 12-140VAC,Logic volt. 24VDC
HGO-AC24A	AC output 24-280VAC,Logic volt. 24VDC
HGO-AC24B	AC output 48-480VAC,Logic volt. 24VDC

Output parameters (Ta:25℃):

Load current(Irms)	5A@35 2A@70 C C
Surge current	120A
Peak volt. PIV	120VAC;400V 240VAC;600V 480VAC;800V
Min load current	20mA
Frequency range	25Hz - 65Hz
Turn on time	1/2 cycle of load power+1msec
Turn off time	1/2 cycle of load power+1msec
Off-state DV/DT	200V/mS
CommutatingDV/DT	200V/mS
Voltage drop	1.6VAC
Leakage current	5mA
Working temp.	30 °C to +80°C
Dielectric strength	4000VAC
Weight	45g

General parameters (Ta:25°C):

Model No	HGO-AC5	HGO-AC5A	HGO-AC5A(NC)	HGO-AC15	HGO-AC15A	HGO-AC24	HGO-AC24A
Line volt.(Nominal) .	120VAC	240VAC	120/240VAC	120VAC	240VAC	120VAC	240VAC
Output volt. Range	12-140VAC	24-280VAC	24-280VAC	12-140VAC	24-280VAC	12-140VAC	24-280VAC
Logic voltage range	5VDC	5VDC	5VDC	15VDC	15VDC	24VDC	24VDC
Logic voltage range	2.5-8VDC	2.5-8VDC	2.5-8VDC	9-16VDC	9-16VDC	18-32VDC	18-32VDC
Logic pickup voltage	2.5VDC	2.5VDC	2.5VDC	9VDC	9VDC	18VDC	18VDC
Logic dropout voltage	1VDC	1VDC	1VDC	1VDC	1VDC	1VDC	1VDC
Logic input current	12mA	12mA	12mA	15mA	15mA	18mA	18mA
Input impedance	220 Ohms	220 Ohms	220 Ohms	1K Ohms	1K Ohms	2.2K Ohms	2.2K Ohms

PRECAUTIONS :

When controlling AC inductive load, the SSR may be damaged by the high transient voltage and surge current added on the output, so some special clamping devices to control voltage, such as zener diode, varistor.

When controlling a small current(close to Min. load current),a dummy resistance should be paralleled to reduce the rest voltage produced by the surge current on the output .

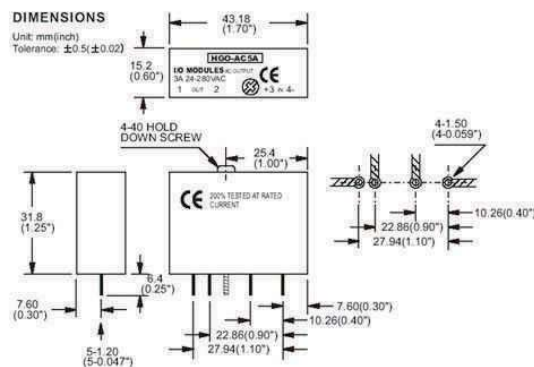
When a jointing type relay is mounted, the temperature should be controlled under 260 centigrade degrees and the time will be limited within 5second.

To avoid the temperature exceeding the allowance, heatsink efficiency and the mounting position should be regarded, suitable space will be left when two or more SSR are mounted .

This series are prohibited for capacitive load.

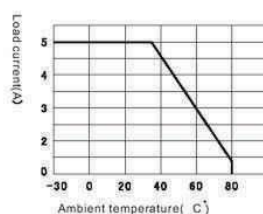


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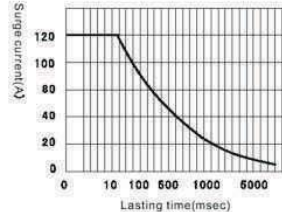


Current Derating Curves:

CURRENT DERATING CURVES



MAX. SURGE vs DURATION



FEATURES :

Bipolar transistor output, on-state voltage drop low, switching speedily
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 PCB Mount, Single in Line Package.

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Models :

Model No	General specification
HGO-DC5	DC output 5-60VDC,Logic voltage 5VDC
HGO-DC5A	DC output 5-200VDC,Logic voltage 5VDC
HGO-DC15	DC output 5-60VDC,Logic voltage 15VDC
HGO-DC15A	DC output 5-200VDC,Logic voltage 15VDC
HGO-DC24	DC output 5-60VDC,Logic voltage 24VDC
HGO-DC24A	DC output 5-200VDC,Logic voltage 24VDC



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Output parameters (Ta:25℃):

Load current	5A@35 2A@70 °C
Turn on time	50us
Turn off time	50us
Voltage drop	1.6VDC
Leekege current	50uA
Working temp.	30 °C to +80°C
Dielectric strength	4000VAC
Weight	45g

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