

# HHG3E-1 Series Solid State Relay



## Model and Description

HHG3E-1 / 032 F - 38 40A

Rated load current  
 Rated load voltage  
 22: Output voltage 30-240VAC  
 38: Output voltage 40-440VAC  
 Sealed  
 Input voltage:  
 032: Input voltage DC3-32V  
 250: Input voltage 90-250VAC  
 Output:  
 1: Single phase AC output  
 Model

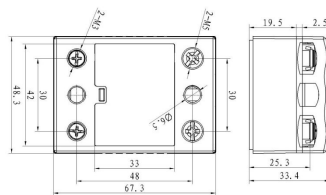


HHG3E-3 with Thermal protection (The SSR will shut down when the temperature of the base  $\geq 75^{\circ}\text{C}$ )

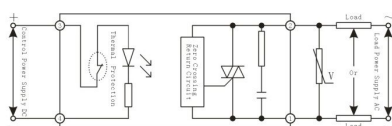
## Specification

Dimension	67mm*48mm*32mm	
Model	HHG3E-1/032F-38 40A	HHG3E-1/250F-38 40A
Description	Single phase( Input DC, Output AC )	Single phase( Input AC, Output AC )
Control voltage	032: 3-32VDC	250: 90-250VAC
Control current	5-20mA	5-20mA
Turn-on voltage	4VDC	90VAC
Turn-off voltage	2VDC	10VAC
Reverse voltage	32VDC	/
Load voltage	22: 30-240VAC 38: 40-440VAC	
Load current	10A, 15A, 20A, 25A, 30A, 40A, 60A, 80A	
Instant voltage	22: 600VAC 38: 900VAC	
On-state voltage drop	<1.6VAC	
On-off time	$\leq 10\text{ms}$	
Off-state leakage current	$\leq 10\text{mA}$	
Dielectric strength	$\geq 2500\text{VAC}$	
Insulation resistance	500m $\Omega$ (500VDC testing)	
Ambient temperature	$-30 \sim 80^{\circ}\text{C}$	
Indicate methods	LED with red and green colour	
Installation	Screw	
Remarks	1. Load current $> 10\text{A}$ ,a radiator is necessary, Load current $> 80\text{A}$ , fan is necessary. 2. When controlling inductive load, a varistor is necessary and its voltage could be 1.6-1.9 times of load voltage	
Packing	Inner box	1PCS/Small paper box, 10PCS/Paper box
	Outer box	100PCS/CTN
	CTN size	380mm*215mm*175mm
	Weight	10A $\approx$ 110g, 1CTN/100PCS G.W: 12KG, N.W: 11KG 40A $\approx$ 145g, 1CTN/100PCS G.W: 15.5KG, N.W: 14.5KG 80A $\approx$ 150g, 1CTN/100PCS G.W: 16KG, N.W:15KG
Radiator (Optional)	HH061	
	HH062	
	HH063	

## Wiring Diagram

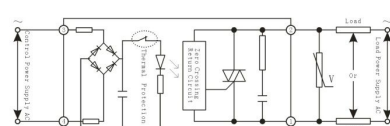


HHG3E-1/032F-□ □A



HHG3E-1/032F-- (10--80A)

HHG3E-1/250F-□ □A



HHG3E-1/250F-- (10--80A)