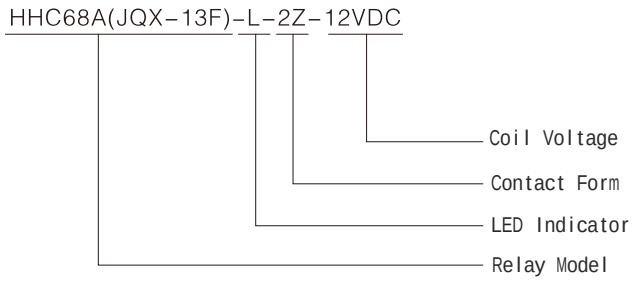
HHC68A(JQX-13F) Miniature Electromagnetic Relay

Model Explanation





Product Features

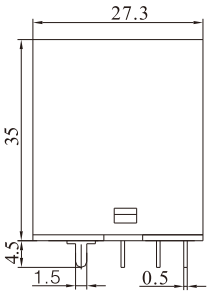
◇ Ultra-small volume;◇ Low power consumption;◇ Large contact load;◇ High sensitivity

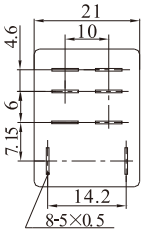
Technical Parameters

Contact	Type	1Z,1H,1D	2Z,2H,2D	3Z,3H,3D	4Z,4H,4D
	Load (Resistive)	15A/240VAC 28VDC	10A/240VAC 28VDC		
	Contact Resistance (Initial)	≤100mΩ			
	Material	Silver Alloy			
	Electrical Life (Frequency: 1s ON, 1s OFF)	$\geqslant 10^5$ times			
	Mechanical Life (Frequency: 300 times/minute)	$\geqslant 10^7$ times			
Pick-up Voltage (23℃)		DC: ≤75% × Rated Voltage; AC: ≤80% × Rated Voltage			
Drop-out Voltage (23℃)		DC: ≥10% × Rated Voltage; AC: ≥30% × Rated Voltage			
Maximum Voltage (23℃)		110% × Rated Voltage			
Coil Specification	DC	6V,9V,12V,24V,36V,48V,110V,220V (Voltage can be customized)			
	AC	6V,9V,12V,24V,36V,48V,110V,220V,380V (Voltage can be customized)			
Coil Power	DC	0.9W		1.5W	1.5W
	AC	1.2VA		2.5VA	3VA
Pick-up Time		≤15ms			
Drop-out Time		≤10ms			
Initial Withstand Voltage	Between Contacts of the Same Polarity	1000VAC/1min (Leakage Current 1mA)			
	Between Contacts of Different Polarities	1500VAC/1min (Leakage Current 1mA)			
	Between Contacts and Coil	1500VAC/1min (Leakage Current 1mA)			
Insulation Resistance		≥100MΩ(500VDC) (Sinusoidal Half-wave Pulse: 11ms)			
Ambient Temperature		-25~+55℃			
Ambient Humidity		45%~75%RH			
Atmospheric Pressure		86~106KPa			
Impact Resistance		10G (Sinusoidal Half-wave Pulse: 11ms)			
Vibration Resistance		10~55Hz , Double Amplitude: 1.0mm			
Mounting Method		PCB printed board welding type, guide rail socket type, screw mounting type			
Packaging Information	Quantity per Inner Box	20 pcs/carton, 50 pcs/foam box		20 pcs/foam box	20 pcs/foam box
	Quantity per Outer Carton	Carton: 600 pcs/carton, foam box: 500 pcs/carton		foam box: 280 pcs/carton	foam box: 280 pcs/carton
	Outer Carton Dimensions	600 pcs: 330mm×310mm×345mm 500 pcs: 440mm×310mm×345mm		440mm×310mm×345mm	440mm×310mm×345mm
	Weight	Approx. 35g/pc; 600 pcs: Gross weight 22KG/carton, net weight 21KG/carton; 500 pcs: Gross weight 19KG/carton, net weight 18KG/carton		Approx. 50g/pc; Gross weight 15KG/carton, net weight 14KG/carton;	Approx. 65g/pc; Gross weight 19KG/carton, net weight 18KG/carton

Outline Drawing, Wiring Diagram, and Mounting Dimensions (mm)

HHC68A-1Z(JQX-13F-1Z/LY1)



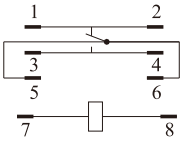




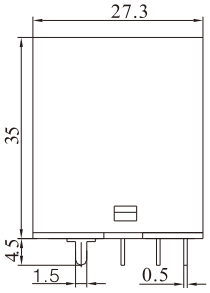
Socket - type
Outlet Terminal

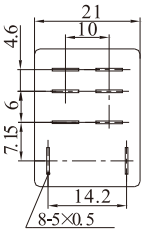


PCB Welding - type
Outlet Terminal



HHC68A-2Z(JQX-13F-2Z/LY2)



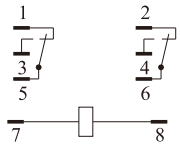




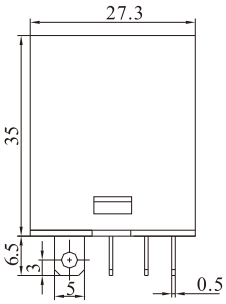
Socket - type
Outlet Terminal

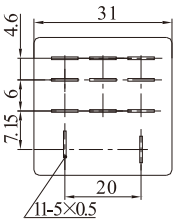


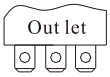
PCB Welding - type
Outlet Terminal



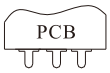
HHC68A-3Z(JQX-13F-3Z/LY3)



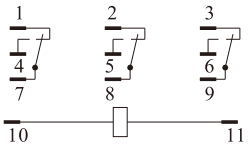




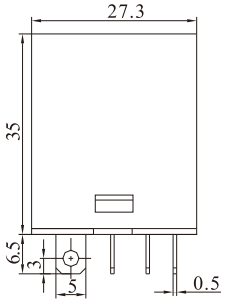
Socket - type
Outlet Terminal

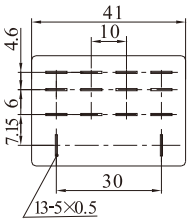


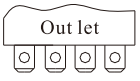
PCB Welding - type
Outlet Terminal



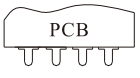
HHC68A-4Z(JQX-13F-4Z/LY4)



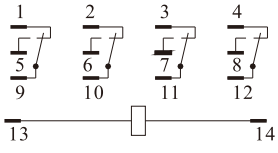




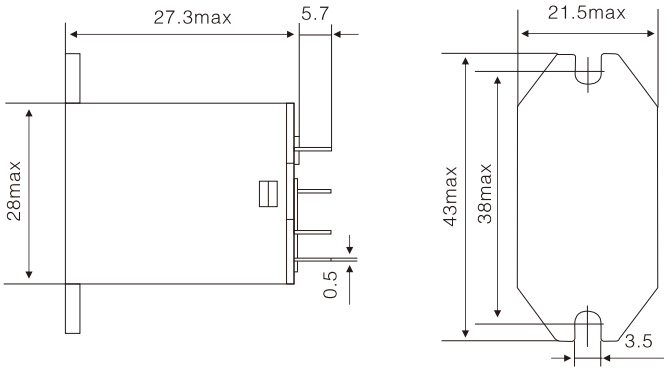
Socket - type
Outlet Terminal



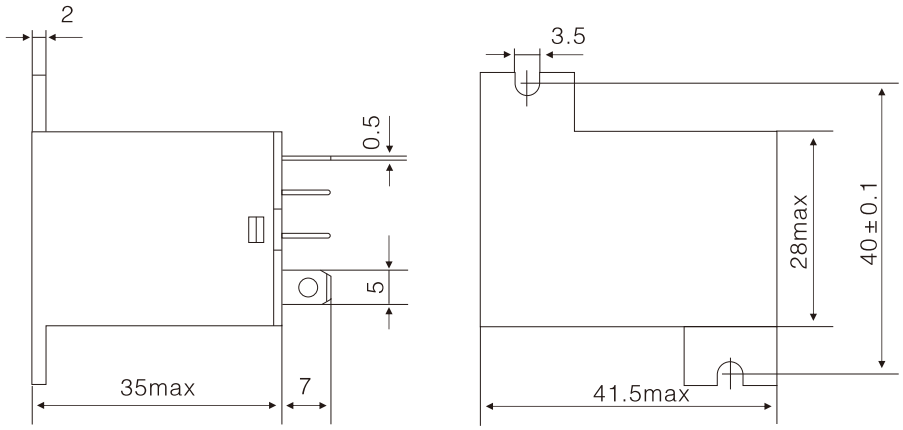
PCB Welding - type
Outlet Terminal



HHC68A(JQX-13F-1Z,2Z) Flange-type Screw Mounting Dimensions



HHC68A(JQX-13F-4Z,LY4) Flange-type Screw Mounting Dimensions



Performance Curve Diagram

