

规格承认书

SPECIFICATION FOR APPROVAL

QJ/ZXD13003-2024

(V1.0)

客户(CUSTOMER):

品名(ITEM): 电磁继电器 Electromagnetic Relay

型号(MODEL): HHC67G

客户料号(CUSTOMER'S P/N):

发行部门(ISSUER): 研发二部

发行日期(DATE OF ISSUED): 2024-03-28

客户承认栏 (APPROVED BY)				欣灵电气股份有限公司 Xinling Electrical Co., Ltd.			
核准 APPROVER		承办 CHECKED		核准 APPROVER	陈选政	编制 CHECKED	涂志赞
承认章 (APPROVED)				协力厂商印章 (PRODUCTION APPROVERDBY)			



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规格书编号: YFC-67G-001

HHC67G-1Z	General-purpose Relay 通用型继电器
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Product introduction 产品介绍		
	Features 特点: ● 40A switching current load 40A 负载切换能力 ● Quick insertion type 快插式 ● Conforms to IEC60335-1 可提供满足 IEC60335-1 标准产品 ● Conforms to RoHS 满足 ROHS 要求	 E 235027  R 50301238  CQC 14002105335  M. 2023. 206. C91027

Model Description 型号说明	
HHC67 G - 1Z - 12VDC ① ② ③ ④	
①	Model No. 产品型号: HHC67
②	Product type 产品类型: G-1: T92 (高身 1, high) , G-2: T92 (高身 2, high), G: T92 (矮身, low)
③	Contact category 触点形式: 1H=1poles normally open 常开型; 1D= 1poles normally closed 常闭; 1Z=1poles convertible type 转换型
④	Coil voltage 线圈电压: refer to coil characters 参考线圈参数表

Coil characters 线圈参数					
Rated voltage 线圈额定电压 DC (V)	Coil resistance ±10%(Ω) 线圈电阻 (at 23℃)	Operate voltage 动作电压 (at 23℃)	release voltage 释放电压 (at 23℃)	Allowable voltage range in coil 线圈容许施加的电压范围 (at 23℃)	Rated coil power 标称线圈功 率 (approx. W)
		% of rated voltage 额定电压的百分比			
5	26.9	75%Max.	10%Min.	90%~130%	0.93W
6	39				
9	87				
12	155				
15	242				
18	348				
24	619				
36	1394				
48	2477				
110	13010				

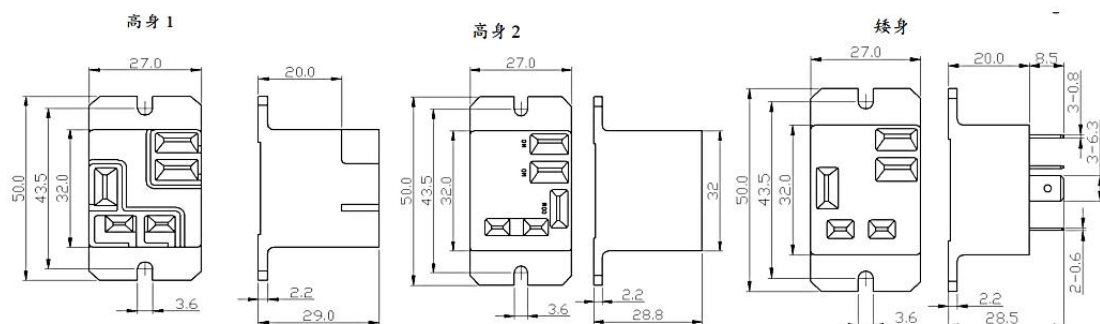
Coil characters 线圈参数					
线圈额定电压 Rated voltage AC (V)	Coil resistance ±10%(Ω) 线圈电阻 (at 23℃)	Operate voltage 动作电压 (at 23℃)	release voltage 释放电压 (at 23℃)	Allowable voltage range in coil 线圈容许施加的电压范围 (at 23℃)	Rated coil power 标称线圈功 率 (approx. VA)
		% of rated voltage 额定电压的百分比			
12	33.6	80%Max.	30%Min.	90%~130%	1.5VA
24	135				
48	538				
110	2820				
220	11300				
240	13440				

Contact parameters 触点参数	
Contact category 触点类型	1C (Z) -转换 1A (H) -常开 1B (D) -常闭
Contact resistance 接触电阻	100mΩ max. (at 1A 6VDC) 100mΩ 以下 (在 6VDC 1A 条件下)
Contact material 触点材料	Ag alloy 银合金
Contact rated load 触点额定负载	40A 240VAC 、 30A 240VAC
Max. switching voltage 最大切换电压	240VAC/28VDC
Max. switching current 最大切换电流	40A
Max. switching power 最大切换功率	9600VA
Min. switching load 最小切换负载	5V 10mA
Electrical endurance 电气耐久性	R-load 阻性负载, 10 万次以上 100,000 cycles min.
Mechanical endurance 机械耐久性	1000 万以上, 10,000,000 cycles min.

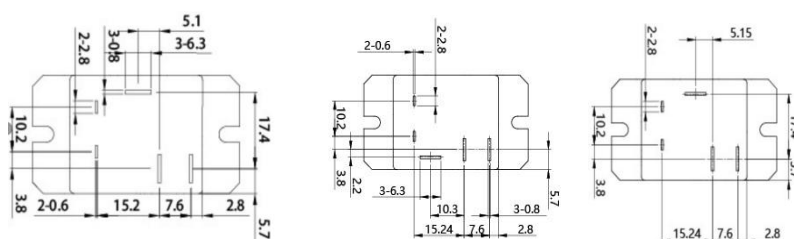
Performance 特性参数		
Operate time (at rated voltage) 动作时间 (额定电压下)		15ms Max.
Release time (at rated voltage) 释放时间 (额定电压下)		10ms Max.
Insulation resistance 绝缘电阻		100MΩ (at 500VDC)
Dielectric strength 介质耐压 (Leak Current 1mA) 漏电流 1mA	Between coil and contacts 线圈与触点间	2500VAC (1 分钟) 漏电流 1mA. 2500VAC for 1 minute, Leakage current 1mA
	Between contacts NO/NC to COM 断开 触点间	1800VAC (1 分钟) 漏电流 1mA. 1800VAC for 1 minute, Leakage current 1mA
	Between pole to pole 异极触点间	无
vibration resistance 振动特性	Error Operation 误动作	Amplitude 1.5mm, 10~55Hz 振幅 1.5mm, 10~55Hz
	Endurance 振动耐久性	Amplitude 1.5mm, 10~55Hz 振幅 1.5mm, 10~55Hz
Shock resistance 冲击特性	Error operation 误动作	at peak acceleration 100 m/s ² Duration 11ms 最高加速度 100m/s ² 持续时间 11ms
	Endurance 耐冲击	at peak acceleration 1000 m/s ² Duration 6ms 最高加速度 1000m/s ² 持续时间 6ms
Ambient temperature 环境温度		-45°C to 85°C
Relative Humidity 相对湿度		45% to 85% RH
Terminals type 端子结构		PCB mounting terminals PCB 焊接式端子
Construction 保护结构		Dustproof type 防尘型
Unit weight 重量		Approx. 30g 约 30g

Dimensions、Mounting instruction and Wiring diagram(unit: mm)
外形尺寸、安装孔与线路图（单位：mm）

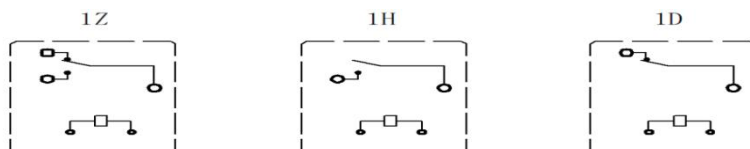
Dimensions 外形尺寸：



Mounting instruction (Bottom view) 安装孔尺寸（底视）：



Wiring diagram (Bottom view) 线路图（底视）：



Remarks 备注：

(1) Tolerance refers to below: If dimension is $< 1\text{mm}$, tolerance is $\pm 0.1\text{mm}$; If dimension is between 1mm to 3mm , tolerance is $\pm 0.2\text{mm}$; If dimension is $> 3\text{mm}$, tolerance is $\pm 0.3\text{mm}$.

产品部分外形尺寸未注尺寸公差，当外形尺寸 $\leq 1\text{mm}$ ，公差为 ± 0.1 ；当外形尺寸在 $1-3\text{mm}$ 之间时，公差为 ± 0.2 ；当外形尺寸 $> 3\text{mm}$ ，公差为 ± 0.3 。

(2) Tolerance of mounting dimension is $\pm 0.1\text{mm}$. 安装孔尺寸中未注尺寸公差为 ± 0.1 .

Safety certificate 安规认证			
Certification category 认证类别	CQC	UL	TUV
Certificate No 证书号	CQC14002105335	E235027	R50501238
Load requirement 负载要求	240VAC/28VDC	277VAC/30VDC	240VAC/28VDC

Packaging specifications 产品包装规格					
Model No. 产品型号	Inner Package 内包装方式	Shipping Carton 纸箱规格 长 x 宽 x 高 (mm)	Carton Load Quantity 总数量	Net Weight (Kg) 净重 (Kg)	Gross Weight (Kg) 毛重 (Kg)
HH067G-1Z	吸塑盒	360*210*325	300	10	11

Statement 声明:

This product specification is for customer's reference only and is subject to update without prior notice. It is not possible for us to assess all the performance parameters of relays in each specific application, suggest customers to select the certain products that satisfy the application conditions. Customer is responsible for the final selection. If you have any questions, please contact us for further technical support.

本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。对我司而言，不可能评定继电器在每个具体应用领域的所有性能参数要求，因而客户应根据具体的使用条件选择与之相匹配的产品，若有疑问，请与我司联系以便获取更多的技术支持，但产品选型责任仅由客户负责。