

规格承认书

SPECIFICATION FOR APPRVAL

客户 (CUSTOMER) :

品名 (ITEM) : 继电器

型号 (MODEL) : KT45F

客户料号 (CUSTOMER' S P/N) :

发行部门 (ISSUER) : 技术部

发行日期 (DATE OF ISSUED) :

客户承认栏 (APPROVED BY)				深圳市科泰电子科技有限公司			
核准 APPROVER		承办 CHECKED		核准 APPROVER	余鹏	编制 CHECKED	黄威
承认章 (APPROVED)							



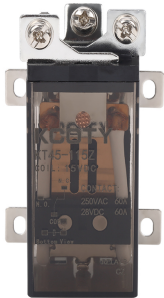
深圳市科泰电子科技有限公司
Shen zhen Ketai Electronic Technology Co., Ltd

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KT45F-1Z	General-purpose Relay 通用型继电器
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Product introduction 产品介绍		
	Features 特点: ● 40A、50A、60A switching current load 40A、50A、60A 负载切换能力 ● Flange mount 法兰式安装 ● Screw mounting outlet 螺丝安装引出端	

Model Description 型号说明					
	<u>KT45F</u>	<u>I</u>	-	<u>1 Z</u>	<u>40A</u> <u>DC12V</u>
	①	②		③	④ ⑤
① Model No. 产品型号: NNC71H					
② Lnstallation method 安装方式:					
无 blank: Plastic-case installation 塑壳安装					
T:Iron plate mounting 铁板安装					
③ Contact category 触点形式:					
1H= 1poles normally open 1 组常开型;					
1D= 1poles normally closed 1 组常闭;					
1Z= 1poles convertible type 1 组转换型					
④ Contact current load 触点负载: 40A、50A、60A					
⑤ 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			

6	18	75%Max.	10%Min.	90%~130%	2W
12	72				
24	288				
36	648				
48	1152				
110	6050				
220	24200				

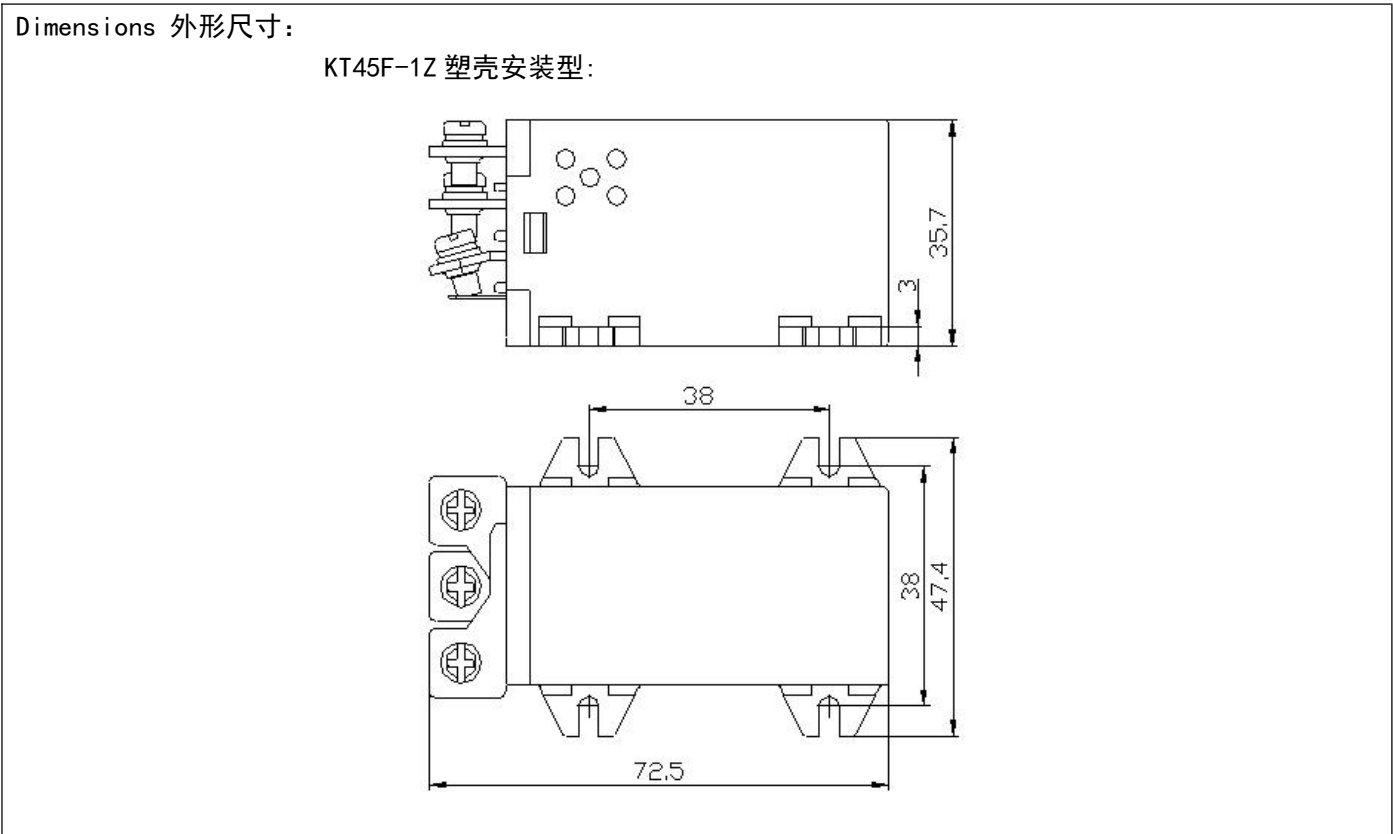
Coil characters 线圈参数					
线圈额定电压 Rated voltage AC (V)	Coil resistance ±10%(Ω) 线圈电阻 (at 23°C)	Operate voltage 动作电压 (at 23°C)	release voltage 释放电压 (at 23°C)	Allowable voltage range in coil 线圈容许施加的电压范围 (at 23°C)	Rated coil power 标称线圈功 率 (approx. VA)
		% of rated voltage 额定电压的百分比			
6	3.15	80%Max.	30%Min.	90%~130%	4VA
12	12.6				
24	50.4				
48	201.6				
110	1058.7				
220	4235				
380	12635				

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 250VAC/28VDC 50A 250VAC/28VDC 60A 250VAC/28VDC
Max. switching voltage 最大切换电压	250VAC/28VDC
Max. switching current 最大切换电流	40A、50A、60A
Max. switching power 最大切换功率	10000VA/1120W、12500VA/1400W、15000VA/1680W
Min. switching load 最小切换负载	6VDC 100mA
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.

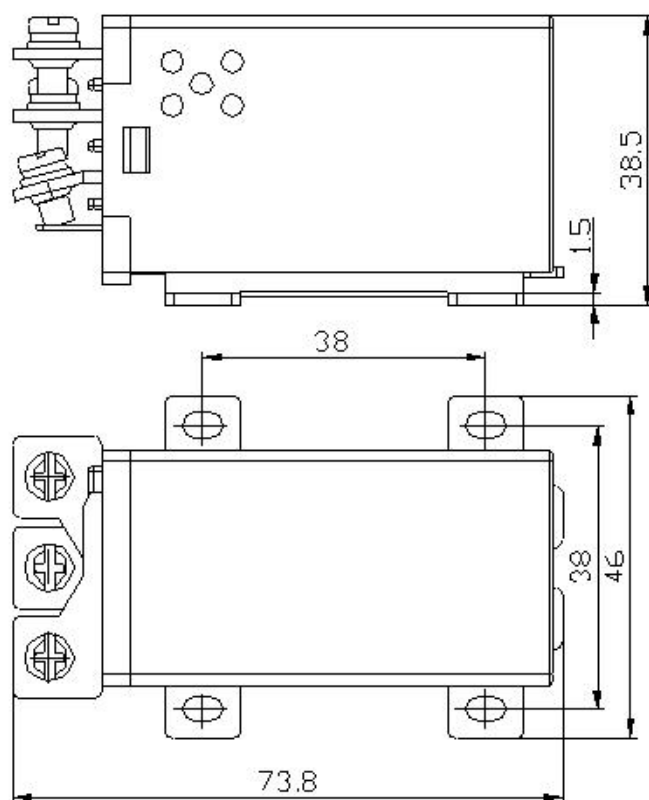
Performance 特性参数	
Operate time (at rated voltage) 动作时间 (额定电压下)	25ms Max.
Release time (at rated voltage) 释放时间 (额定电压下)	15ms Max.
Insulation resistance 绝缘电阻	100MΩ

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	1500VAC (1 分钟) 漏电流 1mA. 1500VAC for 1 minute, Leakage current 1mA
	Between pole to pole 异极触点间	1500VAC (1 分钟) 漏电流 1mA. 1500VAC for 1 minute, Leakage current 1mA
vibration resistance 振动特性	Error Operation 误动作	Amplitude 1mm, 10~55Hz 振幅 1mm, 10~55Hz
	Endurance 振动耐久性	Amplitude 1mm, 10~55Hz 振幅 1mm, 10~55Hz
Shock resistance 冲击特性	Error operation 误动作	at peak acceleration 98 m/s ² Duration 11ms 最高加速度 98m/s ² 持续时间 11ms
	Endurance 耐冲击	at peak acceleration 980 m/s ² Duration 6ms 最高加速度 980m/s ² 持续时间 6ms
Ambient temperature 环境温度		-44°C to 55°C
Relative Humidity 相对湿度		5% to 85% RH
Terminals type 端子结构		Screw mounting outlet 螺丝安装引出端
Construction 保护结构		Dustproof type 防尘型
Unit weight 重量		Approx. 121g 约 121g

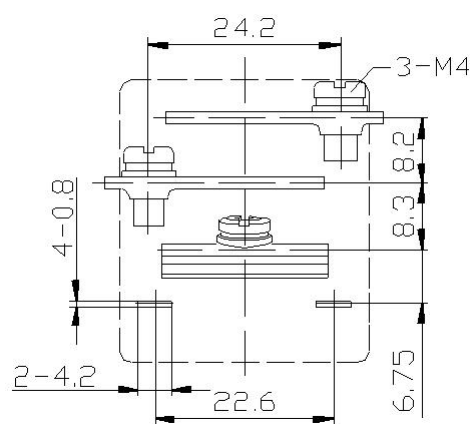
Dimensions、Mounting instruction and Wiring diagram(unit: mm)
 外形尺寸、安装孔与线路图（单位：mm）



KT45F-1Z 铁板安装型:

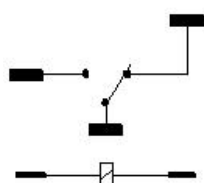


Mounting instruction (Bottom view) 安装孔尺寸 (底视):

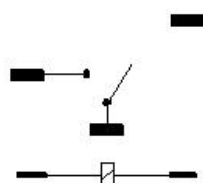


Wiring diagram (Bottom view) 线路图 (底视):

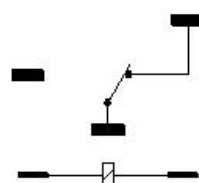
KT45F-1Z:



KT45F-1H:



KT45F-1H:



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 $1\text{--}3\text{mm}$ 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	CE
Certificate No 证书号				OK
Load requirement 负载要求				

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)
KT45F-1Z	吸塑盒	390X320X280	120	14.5Kg	15.5Kg

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。