

规格承认书

SPECIFICATION FOR APPRVAL

客户 (CUSTOMER) :

品名 (ITEM) : 继电器

型号 (MODEL) : KT92-224DM

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)							



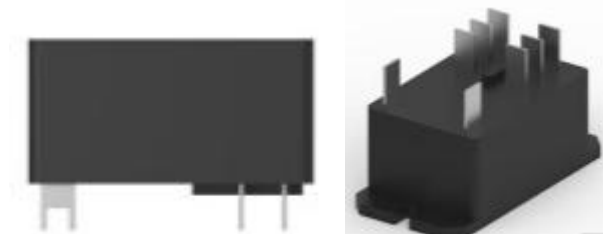
深圳市科泰电子科技有限公司
Shen zhen Ketai Electronic Technology Co., Ltd

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KT92 功率继电器 KT92 Power relay



特性

- 40A 触点切换能力
- 40A switching capabil
- 插座连接型和标准印制板引出脚型
- Socket connection type and standard printed board outlet foot type
- 可提供符合IEC60335-1的产品;
- IEC60335-1 compliant products are available
- 有防水洗和防助焊剂型可供选择;
- Available in water-resistant and flux-resistant models
- 使用环境温度最高在105°C(直流线圈);
- Ambient temperature 105° C (DC coil);
- 环保型产品 (符合RoHS);
- Environmentally friendly products (RoHS);
- 产品外形尺寸: (长*宽*高=52.3*34.5*26.7)mm³;
- Product dimensions: (length * width * height =52.3*34.5*26.7)mm³;
- 铆接触点。
- Riveted contact.

触点参数 (Contact Data)

触点(Contact)	铆接 Riveting
额定负载(阻性) Rated load (Resistive)	NO 30/40A 277VAC NC 3A 277VAC
最大切换电流 Max. Switching Current	NO 60A NC 4.5A
最大切换电压 Max. Switching voltage	400VAC
最大切换功率 Max. Switching power	12000/16000VA
触点材料 Contact material	银合金 silver alloy/银氧化锡AgSnO ₂
接触电阻 Contact resistance	100mΩ (6V/1A)
机械寿命 Mechanical endurance	10000000 ops
电气寿命 Electrical endurance	100000 ops
动作频率 (有/无负载) Frequency of operation (with/without load)	DC:360/3600 H ⁻¹
吸合/释放时间 Operate/Release time	20/20ms
吸合/释放回跳时间 Operate/release bounce time	5/5ms

性能参数 Characteristic Data

介质耐压 Initial dielectric strength	触点与触点 between open contacts	1500VAC
	触点组之间 between contact groups	2000VAC
	触点与线圈 between contact and coil	4000VAC
绝缘阻抗 Insulation resistance		1000MΩ Min. (DC500V)
绝缘等级 Insulation grade		class F
抗冲击 Shock resistance		100G
抗振动 Vibration resistance		1.65mm, 10~55Hz
环境温度 Ambient temperature		-50 to 105° C
环境湿度 Ambient humidity		5~85%RH
重量 Weight		约 83g Approx.83g
塑封类型 Plastic seal type		RTII - flux proo
		RTIII - wash tight
焊接耐热性 Welding heat resistance	RTII	270°C/10s
	RTIII	260°C/5s
包装 Packaging		30个/盘, 120个/箱 tray/30 pcs., box/120 pcs

(1) 上述数据均为初始值;

The preceding data are initial values;

(2) 以上仅列出该产品认证部分典型负载,而每个负载详细测试条件不同,因此电寿命耐久性不一样。如需了解详细信息,请与我司技术部门联络。

The above only lists the typical load of the certified part of the product, and the detailed test conditions for each load are different, so the electrical life durability is not the same. For more information, please contact our technical department.

直流线圈参数 DC Coil Data (at 23°C)

额定电流 Nominal operating current ±10% (mA)	额定电压 Nominal voltage (VDC)	线径 Wire diameter (mm)	吸合电压 Operate voltage (VDC)	释放电压 Release voltage (VDC)	线圈电阻 $\Omega \pm 10\%$ Coil resistance $\pm 10\% (\Omega)$	额定功率 Nominal operating power (W)	负载额定 电流 Load rated current (A)
340	5	0.254	3.75	0.5	14.9	1.7	30/40
283	6	0.226	4.5	0.6	22	1.7	30/40
189	9	0.19	6.75	0.9	48	1.7	30/40
142	12	0.163	9	1.2	86	1.7	30/40
94	18	0.135	13.5	1.8	197	1.7	30/40
77	22	0.12	16.5	2.2	294	1.7	30/40
71	24	0.114	18	2.4	350	1.7	30/40
61	28	0.1	21	2.8	475	1.7	30/40
47	36	0.095	27	3.6	767	1.7	30/40
35	48	0.08	36	4.8	1390	1.7	30/40
15	110	0.055	82.5	11.0	7255	1.7	30/40
14	120	0.05	90	12.0	8514	1.7	30/40

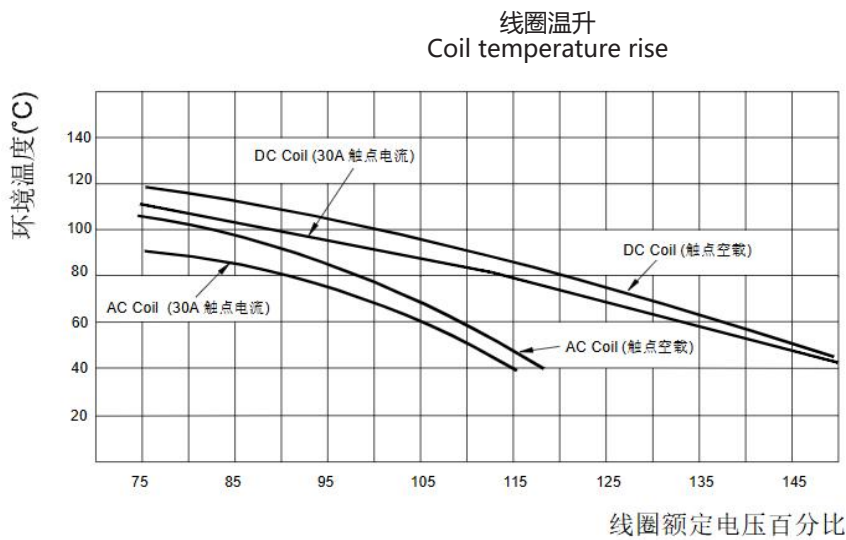
交流线圈参数 AC Coil Data (at 23°C) 50HZ

额定电压 Nominal voltage (VAC)	线径 Wire diameter (mm)	吸合电压 Operate voltage (VAC)	释放电压 Release voltage (VAC)	线圈电阻 $\Omega \pm 10\%$ Coil resistance $\pm 10\% (\Omega)$	额定功率 Nominal operating power (VA)	负载额定 电流 Load rated current (A)
24	0.19	19.2	2.4	44.4	3.5	30/40
48	0.135	38.4	4.8	178	3.5	30/40
240	0.06	192	24	4355	3.5	30/40

交流线圈参数 AC Coil Data (at 23°C) 50/60HZ

额定电压 Nominal voltage (VAC)	线径 Wire diameter (mm)	吸合电压 Operate voltage (VAC)	释放电压 Release voltage (VAC)	线圈电阻 $\Omega \pm 10\%$ Coil resistance $\pm 10\% (\Omega)$	额定功率 Nominal operating power (VA)	负载额定电 流 Load rated current (A)
12	0.287	9.6	1.2	9.1	4	30/40
24	0.2	19.2	2.4	36.6	4	30/40
110	0.095	88	11.0	793	4	30/40
110/120	0.09	96	12.0	950	4	30/40
208	0.065	166.4	20.8	2841	4	30/40
220/240	0.065	192	24.0	3800	4	30/40
250/277	0.055	221.6	27.7	5485	4	30/40

性能曲线图 Characteristic Curves



声明：本产品规格说明书仅供客户使用时参考，若有更改，恕不另行通知。
Disclaimer: This product specification is for customer's reference only and is subject to change without prior notice.

产品命名 Product naming

KT92	2	-12	D	H	F	1	XXX
特殊说明，无即为标准品 Special instructions, none is standard 密封方式：S为非密封防助焊剂品； Sealing method: S is a non-sealed anti-flux product; H为密封防水洗品 H is a sealed waterproof wash 端子形式：1为PCB板焊接式；2为线圈和触点端子,6.35*0.8mm触点QC端子，法兰外壳。 Terminal form: 1 PCB board welding type; 2 welding coil and contact terminal,6.35*0.8mm contact QC terminal, flange housing. 外壳颜色：F为黑色，O为橙色，W为白色，E为蓝色 Case color: F is black, O is orange, W is white, E is blue 触点组合形式：H 为常开型（H is normally open type）； Contact combination form : Z 为转换型（Z is the conversion type 线圈功率：D--直流/1.7W；A-交流（50、60Hz）4VA；A5-交流（50Hz）3.5VA。 Coil power: D-- DC /1.7W；A-AC（50, 60Hz）4VA； A5-AC（50Hz）3.5VA. 线圈额定电压 Coil rated voltage（VDC）:05,06, 09, 12,18,22,24,28,36,48,110,120 （VAC）:12,24,48,110/120,208,220/240,250/277. 2 : 2 组 双 刀							
产品型号：KT92 Product model: KT92							

备注 Remarks:

- (1) 防助焊剂品不能在污染环境（含有 H2S、SO2、NO2、粉尘等污染物）中使用。
Flux-proofed relays can not be used in the environment with pollutants like H2S, SO2, NO2, dust, etc.
- (2) 防助焊剂品装入 PCB 焊接后，不能进行整体清洗或表面处理。
Water cleaning or surface process is not suggested after the flux-proofed relays are assembled on PCB.
- (3) 客户特殊要求（XXX），由我司评估后，按特性符号标识。
Special requirements of customers (XXX) shall be evaluated by our company and marked by characteristic symbols

典型用途 Typical Applications

- 暖通空调
■ HVAC

■ 电器
■ Appliances
- 工业控制
■ Industrial Controls

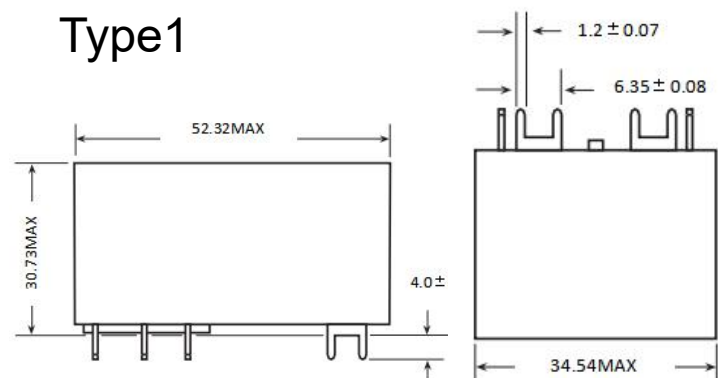
■ 充电桩
■ Charging Pile

外形图、接线图、安装孔尺寸（单位：毫米）

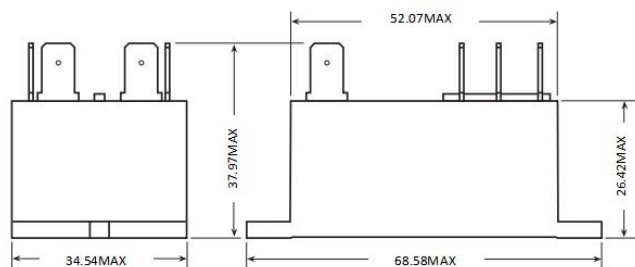
Outline drawing, wiring diagram, mounting hole dimensions(Unit: mm)

外形图outside drawing

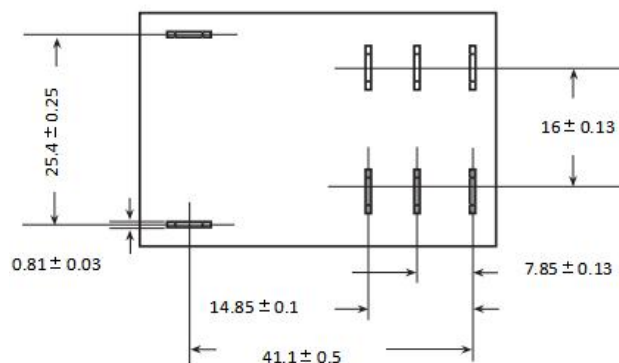
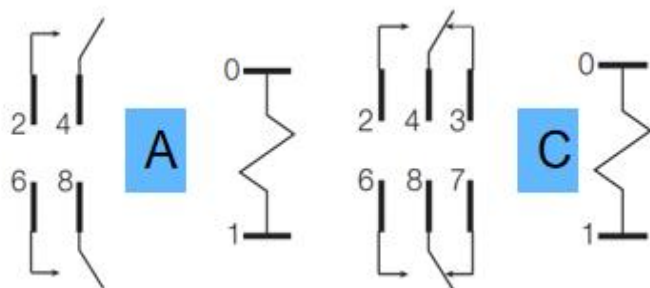
Type1



Type2



接线图wiring diagram



安装孔尺寸mounting hole dimensions

