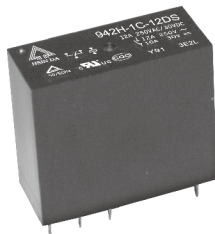


特点 FEATURES

- **UL, TUV 及 CQC 安规认证**
UL, TUV & CQC safety approval.
- **包括标准型及高感度型**
Standard type & High sensitivity type available.
- **供应UL标准 F级 (155°C) 线圈**
UL Class F (155°C) coil insulation type available.
- **提供TV负载 (TV-3, TV-5 或 TV-8)**
TV Rated (TV-3, TV-5 or TV-8) available.
- **大电流可达20安培**
Heavy current up to 20 Amps.
- **绝缘距离: 8毫米**
Insulation distance: 8mm.
- **耐压: 5,000 VAC**
Dielectric strength: 5,000 VAC.
- **正常功率 530mW~720mW**
Nominal Power 530mW~720mW.
- **动作功率 300mW ~ 410mW**
Operating Power 300mW~410mW.



用途举例 USE EXAMPLES

遥控电视机、复印机、販售机和空调器

接点参数 CONTACT RATING

接点形式 Contact Form	1A SPST-NO 1C SPDT (942 T Only)	1A SPST-NO 1C SPDT	2A DPST-NO	2C DPDT
最大切换功率 Max. Switching Power	4000VA 600W	3000VA 360W	1750VA 210W	1250VA 150W
最大切换电压 Max. Switching Voltage	250VAC 30VDC			
最大切换电流 Max. Switching Current	20A	12A	7A	5A
最小切换电流/电压 Min. Switching Current/Voltage	100mA 5VDC			
接点阻性负载 Contact Resistive Load(CosΦ=1)	16A/250VAC 20A/30VDC 20A/125VAC	12A/250VAC 12A/30VDC	7A/250VAC 7A/30VDC 8A/125VAC	5A/250VAC 5A/30VDC 8A/125VAC
感性负载 Inductive Load(cosΦ=0.4,L/R=7ms)	8A/250VAC 8A/30VDC	5A/250VAC 5A/30VDC	2A/250VAC 2A/30VDC	
TV负载 TV Rating	NO:TV-8 125VAC	NO:TV-5 125VAC	TV-3 120VAC	
接点材质 Contact Material	银合金 Ag Alloy			

性能参数 CHARACTERISTICS

电气寿命 Electrical Life	1×10 ⁵
机械寿命 Mechanical Life	1×10 ⁷
绝缘阻抗 Insulation Resistance	Min. 100MΩ 500VDC
接触电阻 Contact Resistance(Initial)	≤100mΩ (6VDC 1A)
动作时间 Operate Time	≤15ms
开放时间 Release Time	≤8ms
耐压 Initial Dielectric Strength	开放接点间 between open contacts: 50/60Hz 1000VAC 1min. 接点线圈间 between contacts and coil: 50/60Hz 5000VAC 1min. 接点组间 between contact sets: 50/60Hz 2500VAC 1min.
耐振动 Vibration Resistance	误动作: Functional: 10~55Hz 双振幅 Double Amplitude 1.5mm 耐久: Destructive: 10~55Hz 双振幅 Double Amplitude 1.5mm
耐冲击 Shock Resistance	误动作: Functional: 10G 耐久: Destructive: 100G
环境温度 Ambient Temperature	-40℃~+85℃ (无结冰 No freezing)
相对湿度 Relative Humidity	85% at 40℃
单位重量 Unit Weight	约Approx.17g

型号代码说明 ORDERING INFORMATION

942 H - 1A - 12 D S - T - F

1. 型号 Model Number

2. 线圈感度 Coil Sensitivity

标准型 Nil =Standard Type

高感度型 H = High Sensitivity Type For DC coil only

3. 接点形式 Contact Arrangement

1 组常开 1A = 1 Form A 1 组转换 1C = 1 Form C

2 组常开 2A = 2 Form A 2 组转换 2C = 2 Form C

4. 线圈电压 Coil Voltage

3、5、6、9、12、24、48、100、110VDC

6、12、24、110、120、220、240VAC

5. 线圈形式 Coil Type

交流 A=AC 直流 D=DC

6. 密封形式 Enclosure

抗助焊剂型(PC 外壳) Nil = Flux tight(PC Cover) 密封塑料壳 S = Sealed plastic cover

7. 端子形式 Terminal Type

标准型 Nil =Standard Type (1A/1C/2A/2C) 高容量型 T = High capacity (1A-T/1C-T)

8. 绝缘形式 Type of Insulation

A级 Nil = Class A F级 F = Class F

线圈额定值 (在20°C) COIL RATINGS (AT 20°C)

线圈形式 Coil Type	线圈额定电压 (V) Coil Nominal Voltage	线圈阻抗 ($\Omega \pm 10\%$) Coil Resistance	动作电压(V) (Max) Pick-Up Voltage	开放电压(V) (Min) Drop-Out Voltage	额定电流 (mA) Nominal Current
直流标准型线圈 (abt. 0.72W) DC Standard Coils	3	12.5	2.1	0.3	240
	5	36	3.5	0.5	138.9
	6	50	4.2	0.6	120
	9	115	6.3	0.9	78.3
	12	200	8.4	1.2	60
	24	820	16.8	2.4	29.3
	48	3300	33.6	4.8	14.5
	100/110	14144	70	10	7
直流高感度型线圈 (abt. 0.53W) DC High Sensitivity Coils	3	17	2.25	0.3	176.5
	5	47	3.75	0.5	106.4
	6	68	4.5	0.6	88
	9	155	6.75	0.9	58
	12	270	9	1.2	44.4
	24	1100	18	2.4	21.8
	48	4400	36	4.8	10.9
	100/110	18860	75	10	5.3
交流线圈 (abt. 0.9VA ~ 1.2VA) AC Coils	6	16.5	4.8	1.8	
	12	63	9.6	3.6	
	24	250	19.2	7.2	
	110/120	5600	88	33	
	220/240	22000	176	66	

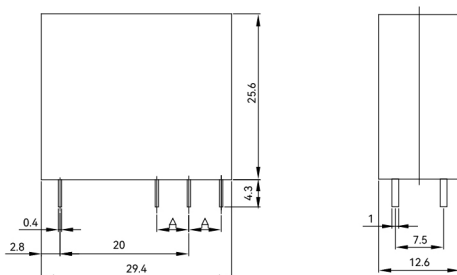
* 最大使用电压在20°C:线圈额定电压的130% Max Continuous Voltage at 20°C: 130% of Coil Normal Voltage

* 交流线圈最大使用电压在20°C:线圈额定电压的110% AC coils Max continuous Voltage at 20°C 110%

外部尺寸 OUTLINE DIMENSIONS

单位: 毫米 UNIT: mm

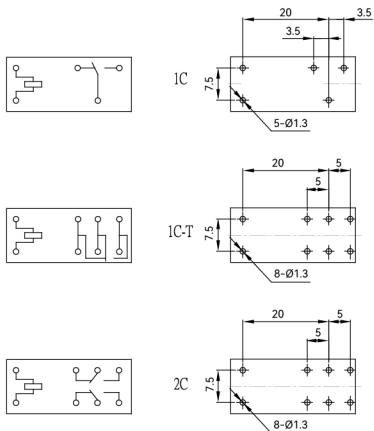
尺寸 Dimensions



A: 3.5; 5.0

接线图 Internal Connections

(底视图 Bottom View)

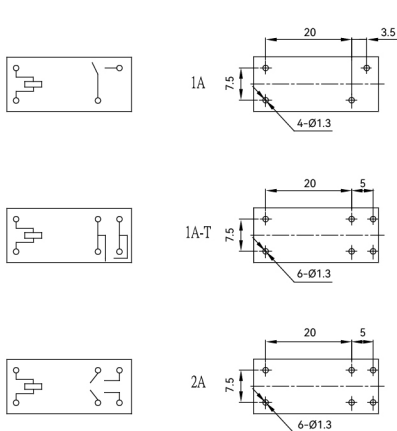


孔位图 PCB Layout

(底视图 Bottom View)

接线图 Internal Connections

(底视图 Bottom View)



孔位图 PCB Layout

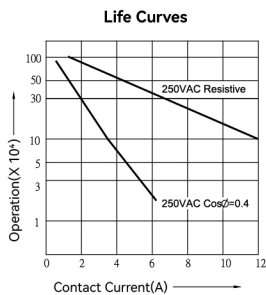
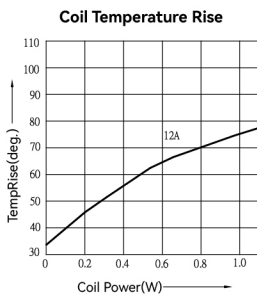
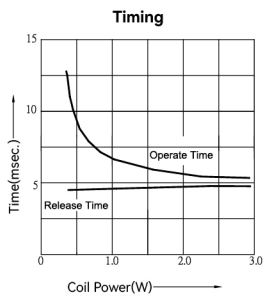
(底视图 Bottom View)

备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $\pm 0.2\text{mm}$

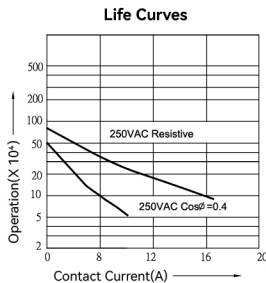
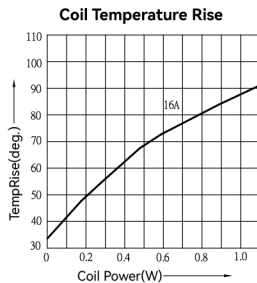
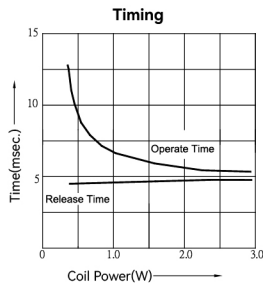
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $\pm 0.2\text{mm}$

参考资料 942 REFERENCE DATA

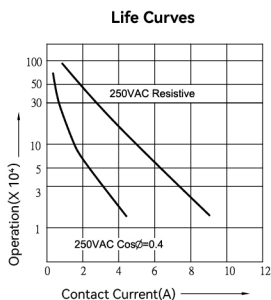
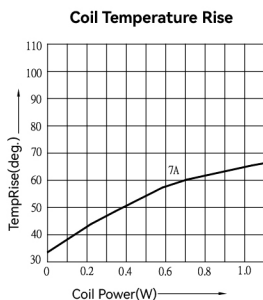
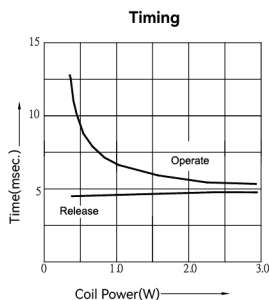
942-1A,942-1C Referential Data



942-1A-T,942-1C-T Referential data



942-2A,942-2C Referential data



安规认证 SAFETY STANDARD

安规名称 Approval	线圈电压 Coil Voltage	接点额定值 Contact Rating
UL FILE NO.: E162117	DC:3V ~ 110V AC:6V ~ 240V	1A-T/1C-T: 16A 250VAC、20A 125VAC 20A 30VDC TV-3 120VAC(NO) TV-8 125VAC(NO) 1A/1C:12A 250VAC、12A 30VDC TV-3 120VAC(NO) TV-5 125VAC(NO) 2A/2C:5A 250VAC、5A 30VDC 7A 250VAC(NO) 7A 30VDC(NO) TV-3 120VAC(NO) 8A 125VAC
TUV FILE NO.: R50048089	DC:3V,5V,6V,9V,12V,24V, 100/110V AC:6V,12V,24V, 110/120V,220/240V	1A/1C-T:16A 250VAC、16A 30VDC 1A/1C:12A 250VAC、12A 30VDC 2A/2C:5A 250VAC、5A 30VDC
CQC FILE NO.:CQC02001001786	DC:5V,9V,12V,24V,48V AC:110/120V,220/240V	1A-T:16A 250VAC 1A 1C:12A 250VAC 942 2C:NO7A / NC5A 250VAC