

FEATURES特点

- 25A Power relay(Class F)
25A功率继电器(F级)
- PCB or Flat quick terminal two type
具有PCB或快插端子二种类型



UL FILE NO: E171095
CQC FILE NO.: CQC15002133482
TUV FILE NO.: TA 50307309 01
VDE FILE NO.: 40041375

CONTACT RATING 接点参数

| | |
|---|-------------|
| Contact Form接点形式 | 1A SPST-NO |
| Max. Switching Power最大切换功率 | 6250VA |
| Max. Switching Voltage最大切换电压 | 250VAC |
| Max. Switching Current最大切换电流 | 25A |
| Min. Switching Current/Voltage最小切换电流/电压 | 100mA 5VDC |
| Rating Load(Resistive)额定负载(阻性) | 25A 250VAC |
| Contact Material 接点材质 | Ag Alloy银合金 |

CHARACTERISTICS 性能参数

| | | |
|---------------------------------|---|-------------------------------------|
| Electrical Life 电气寿命 | 1 × 10 ⁵ | |
| Mechanical Life机械寿命 | 1 × 10 ⁷ | |
| Insulation Resistance绝缘阻抗 | Min. 1,000MΩ 500VDC | |
| Contact Resistance(Initial)接触电阻 | ≤ 100mΩ (6VDC 1A) | |
| Operate Time 动作时间 | ≤ 20ms | |
| Release Time 开放时间 | ≤ 10ms | |
| Initial Dielectric Strength 耐压 | between open contacts开放接点间: 50/60Hz 1000VAC 1min. between contacts and coil接点线圈间: 50/60Hz 4500VAC 1min | |
| Vibration Resistance 耐振动 | Malfuction: 误动作: | 10 ~ 55Hz Double Amplitude双振幅 1.5mm |
| | Damage limits: 耐久: | 10 ~ 55Hz Double Amplitude双振幅 1.5mm |
| Shock Resistance 耐冲击 | Malfuction: 误动作: | 10G |
| | Damage limits: 耐久: | 100G |
| Ambient Temperature环境温度 | -40℃ ~ +65℃ (No freezing 无结冰) | |
| Relative Humidity相对湿度 | 85% at 40℃ | |
| Unit Weight单位重量 | 约Approx. 23g | |

ORDERING INFORMATION 型号代码说明

| | | | | | |
|--|--|--|--|--|--|
| 948 - 1A - 12 D P - F 1 2 3 4 5 6 | | | | | |
| 1. Model Number 型号 2. Contact Arrangement 接点形式 1A= 1 Form A 1组常开 3. Coil Voltage 线圈电压 5、9、12、24VDC 4. Coil Type 线圈形式 D= DC直流 | | | 5. Terminal Form 端子形式 Nil = General Type (Top: Tab Terminal Bottom: PCB Terminal) P = Bottom P.C.B Terminal Only 6. Insulation Type 绝缘形式 Nil = Class A A级 F = Class F F级 | | |

COIL RATINGS (at 20°C) 线圈额定值 (在20°C)

| COIL TYPE 线圈形式 | Coil Nominal Voltage 线圈额定电压 (V) | Coil Resistance 线圈阻抗 ($\Omega \pm 10\%$) | Pick-Up Voltage 动作电压(V) (Max) | Drop-Out Voltage 开放电压(V) (Min) | Nominal Current 额定电流 (mA) |
|--|------------------------------------|---|----------------------------------|-----------------------------------|------------------------------|
| DC Standard Coils 直流标准线圈 (abt. 0.9W) | 5 | 28 | 3.4 | 0.5 | 179 |
| | 9 | 90 | 6.1 | 0.9 | 100 |
| | 12 | 160 | 8.2 | 1.2 | 75 |
| | 24 | 640 | 16.3 | 2.4 | 37.5 |

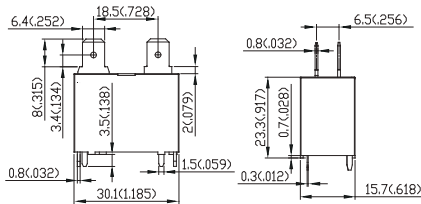
* Max Continuous Voltage at 20°C: 130% of Coil Normal Voltage.
 最大使用电压在20°C:线圈额定电压的130%

OUTLINE DIMENSIONS 外部尺寸

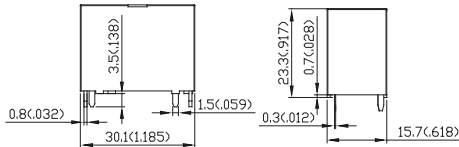
UNIT: mm(inch) 单位: 毫米(英寸)

Standard Type 标准型

Dimensions 尺寸



P Type P型



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: $+0.2\text{mm}$
 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 $+0.2\text{mm}$



948系列继电器SERIES RELAY

SAFETY STANDARD安规认证

| SAFETY 安规名称 | Coil Voltage 线圈电压 | Contact Rated 接点额定值 |
|-------------|----------------------------|--|
| UL | DC: 5V-24V | 20A 250VAC 20A 277VAC 25A 250VAC 2HP 240VAC 1-1/2HP 277VAC |
| TUV | DC: 5V、29V、12V、 18V、24V | 25A 250VAC 20A 250VAC |
| CQC | DC: 5V、29V、12V、24V | 25A 250VAC 20A 250VAC 16A 250VAC |
| VDE | DC: 5V-24V | 25A 250VAC |