

FEATURES特点

- Single and double contact types are offered, and 15A switching capacity relay is used exclusive in automobile control switching box.
提供单接点及双接点. 15安培转换容量继电器.
可供汽车控制转换箱使用.
- Single and twin relays are both available.
单颗和双颗合并继电器可供选择
- Open type (without dust cover) and Seal type 敞开型(无外盖)及密封胶型皆供选择.
- Contact configurations of SPST-NO, SPDT, SPDM-DB are available.
接点配置有1组常开、1组转换, 1组双点转换可选择



用途: 汽车防盗器控制, 电动车窗控制, 雨刮器控制, 门锁控制

CONTACT RATING 接点参数

| Contact Form 接点形式 | 1A SPST-NO | 1C SPDT | 1U SPST-DM | 1V SPST-DB | 1W SPST-DM-DB |
|---|---------------|------------------------------|---------------|----------------|--|
| Rating Load(Resistive) 额定负载(阻性) | 15A/14VDC | NO:15A/14VDC NC:10A/14VDC | 2 × 10A/14VDC | 2 × 7.5A/14VDC | NO:2 × 10A/14VDC NC: 2 × 7.5A/14VDC |
| Max. Switching Power 最大切换功率 | 210W | 210W | 140W | 105W | 140W |
| Max. Switching Voltage 最大切换电压 | 14VDC | | | | |
| Contact Rating Current 接点负载电流 | 15A | NO/NC:15A/10A | 2x10A | 2x7A | NO:2x7A NC:2x5A |
| Max. Make Current 最大浪涌电流 | 60A | NO/NC:60A/12A | 2x40A | 2x8A | NO:2x30A NC:2x5A |
| Max. Break Current 最大切换电流 | 20A | NO/NC:20A/10A | 2 × 20A | 2x7A | NO:2x15A NC:2x5A |
| Min. Switching Current/Voltage 最小切换电流/电压 | 100mA 5VDC | | | | |
| 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. 100MΩ 500VDC |
| Contact Resistance(Initial)接触电阻 | ≤ 100mΩ (6VDC 1A) |
| Operate Time 动作时间 | ≤ 6ms |
| Release Time 开放时间 | ≤ 3ms |
| Initial Dielectric Strength 耐压 | between open contacts开放接点间: 50/60Hz 750VAC 1min between contacts and coil线圈接点间:50/60Hz 1500VAC 1min. |

| | | |
|--------------------------|-----------------------|-----------------------------|
| Vibration Resistance 耐振动 | Malfuction: 误动作: | 10 ~ 55Hz Amplitude振幅 1.5mm |
| | Damage limits: 耐久: | 10 ~ 55Hz Amplitude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°C ~ +85°C | (No freezing 无结冰) |
| Relative Humidity相对湿度 | 85% at 40°C | |
| Unit Weight单位重量 | 约Approx. 20g | |

ORDERING INFORMATION型号代码说明

| | |
|--|--|
| 965 T - 1C - 12 D S 1 2 3 4 5 6 | |
| <p>1. Model Number 型号</p> <p>2. Optional 选择 Nil = General Type 普通型 T = Twin Relay with length Cover 双继电器</p> <p>3. Contact Arrangement 接点形式 1A = 1 Form A 1组常开 1B = 1 Form B 1组常关 1C = 1 Form C 1组转换 1U = 1 Form U 1组双常开 1V = 1 Form V 1组双常闭 1W = 1 Form W 1组双转换</p> | <p>4. Coil Voltage 线圈电压 6、12、24VDC</p> <p>5. Coil Type 线圈形式 D=DC 直流</p> <p>6. Enclosure 密封形式 Nil = Open Type 开放式 S = Sealed Type 密封型</p> |

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. 1.1W) | 6 | 33 | 3.6 | 0.6 | 182 |
| | 12 | 130 | 7.2 | 1.2 | 92 |
| | 24 | 520 | 14.4 | 2.4 | 46 |

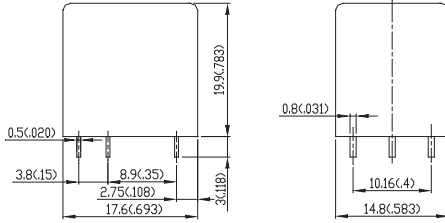
* Max Continuous Voltage at 20°C: 110% of Coil Normal Voltage.

最大使用电压在20°C:线圈额定电压的110%

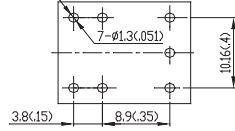
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

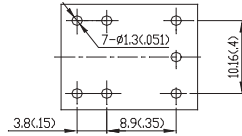
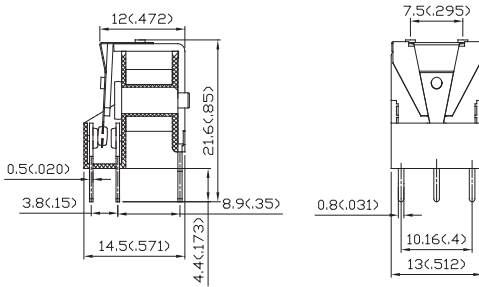
Dimensions尺寸



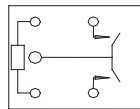
Drilling Plan孔位图
(Bottom View底视图)



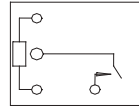
General Type一般型



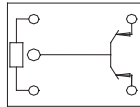
Internal Connections接线图
(Bottom View底视图)



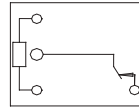
1U (SPST-DM)



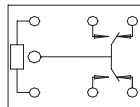
1A (SPST-NO)



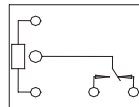
1V (SPST-DB)



1B (SPST-NC)



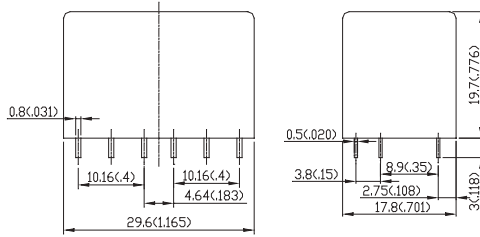
1W (SPDT-DM-DB)



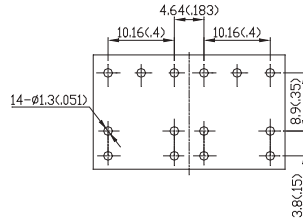
1C (SPDT)

Twin Relay with Length Cover 双继电器

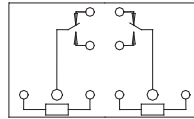
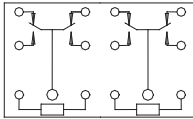
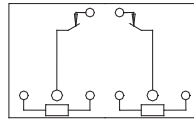
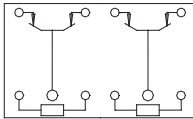
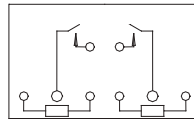
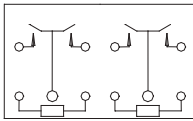
Dimensions尺寸



Drilling Plan孔位图
(Bottom View底视图)



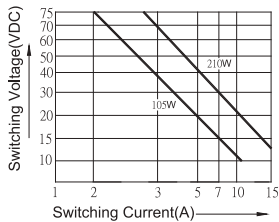
Internal Connections接线图
(Bottom View底视图)



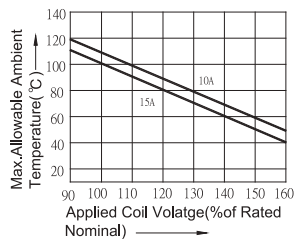
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$
备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

965-T Reference Data 参考资料

Limiting Curve For Power Load



Ambient Temperature VS Coil Voltage for continuous duty



Assumptions: 1. Thermal resistance = 45° per watt
2. Nominal coil resistance
3. Curves are based on 1.6watts at 20°C