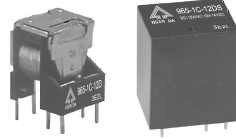


FEATURES特点

- 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)接点电阻	≤ 100mΩ
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 500VAC 1min.



965系列继电器SERIES RELAY

Vibration Resistance 耐振动	Malfunction: 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	Malfunction: 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 ~ 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 开放型 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

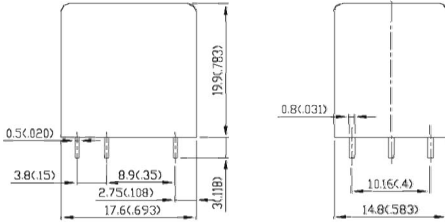
* Max Continuous Voltage at 20°C: 110% of Coil Normal Voltage.

最大使用电压在20°C:线圈额定电压的110%

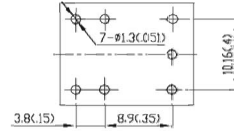
OUTLINE DIMENSIONS 外部尺寸

UNIT: mm(inch) 单位: 毫米(英寸)

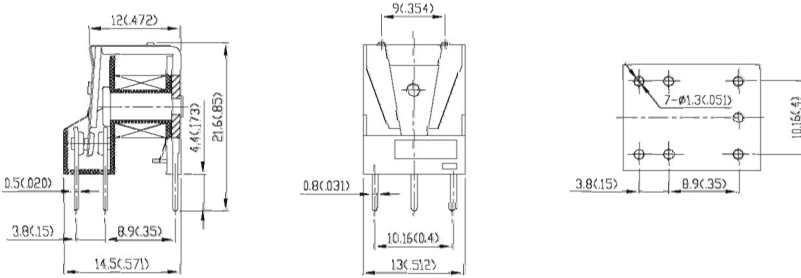
Dimensions尺寸



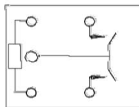
Drilling Plan孔位图
(Bottom View底视图)



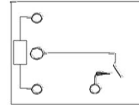
General Type—般型



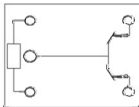
Internal Connections接线图
(Bottom View底视图)



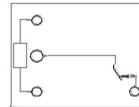
1U (SPST-DM)



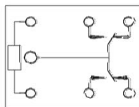
1A (SPST-NO)



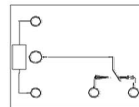
1V (SPST-DB)



1B (SPST-NC)



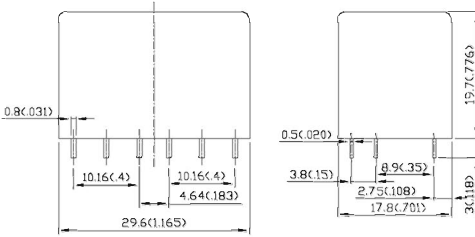
1W (SPDT-DM-DB)



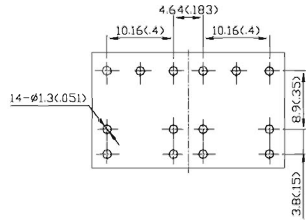
1C (SPDT)

Twin Relay with Length Cover 双继电器

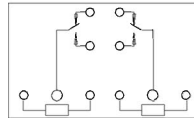
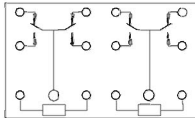
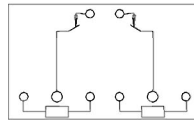
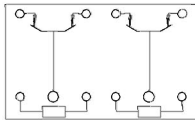
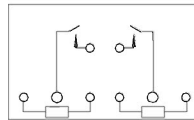
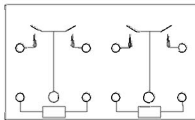
Dimensions尺寸



Drilling Plan孔位图
(Bottom View底视图)



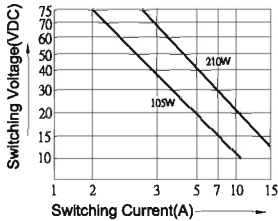
Internal Connections接线图
(Bottom View底视图)



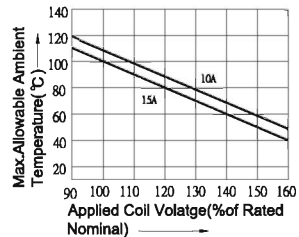
REMARK: Dimensions $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.2\text{mm}$
备注: 尺寸公差 $\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, 印刷电路板孔 $+0.2\text{mm}$

965-T Reference Data 参考资料

Limiting Curve For Power Load



Ambient Temperature Versous Coil Voltage God Continuous Duty



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