

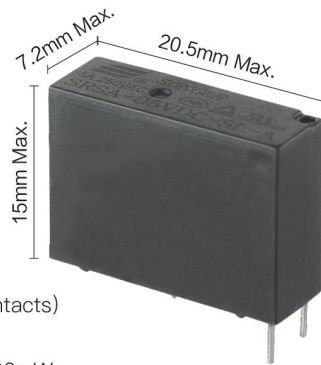
超小型中功率继电器

Subminiature Intermediate Power Relay

5A/7A/10A

特性 / FEATURES

- 5A/7A/10A多种负载选择
Contact rating: 5A/7A/10A
- 适合高密度安装
Extremely small footprint utilizing PCB area
- 满足加强绝缘要求
Meets reinforce insulation
- 线圈与触点间抗浪涌电压10kV
10kV impulse withstand voltage (between coil and contacts)
- 高灵敏度, 功耗仅为200mW
Highly efficient magnetic circuit for high sensitivity: 200mW



订购信息 / ORDERING INFORMATION

SRSA-12VDC-S L-A

A	触点形式 Contact Arrangement
L 0.2W	线圈功率 Coil Power
S 密封/Sealed	封装形式 Construction
3/5/6/9/12/18/24VDC	线圈电压 Coil Voltage
	型号 Model

触点参数 / CONTACT PARAMETERS

触点形式	Contact arrangement	A
接触电阻	Contact resistance	≤100mΩ (1A 6VDC)
触点材质	Contact material	银合金/Silver alloy: AgSnO ₂ In ₂ O ₃ , AgSnO ₂ , AgNi
触点负载(阻性)	Contact rating(Res. load)	5A/7A 250VAC/30VDC, TV-3/10A 125VAC
最大切换电压	Max switching voltage	277VAC/30VDC
最大切换电流	Max switching current	10A
最大切换功率	Max switching power	1750VA/210W
电耐久性 (频率:每小时360次)	Electrical endurance (Frequency:360 ops/h)	1x10 ⁵ ops / 1x10 ⁴ ops
机械耐久性 (频率:每小时18000次)	Mechanical endurance (Frequency:18000 ops/h)	1x10 ⁷ ops

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特性参数 / CHARACTERISTICS PARAMETERS

绝缘等级	Insulation level		B/F
绝缘电阻	Insulation resistance		1000MΩ(500VDC)
介质耐压 (漏电流 1mA)	Dielectric strength (Leakage current 1mA)	线圈与触点间 Between coil and contacts	4000VAC 1min
		断开触点间 Between open contacts	1000VAC 1min
吸合时间(额定电压下)	Operate time(at nominal voltage)		≤10ms
释放时间(额定电压下)	Release time (without diode) (at nominal voltage)		≤10ms
湿度	Humidity		5% ~ 85% RH
环境温度(°C)	Ambient temperature		-40°C ~ +85°C/+105°C
抗冲击	Shock resistance	稳定性/Functional	98m/s ²
		强度/Destructive	980m/s ²
抗振动(双振幅)	Vibration resistance (Double amplitude)		10Hz~55Hz 1.5mm
重量	Weight		约/Approx 3g
封装形式	Construction		密封/Sealed

备注: 以上数据均为初始值

Remark: All above data is initial value

线圈参数 / COIL PARAMETERS

常温/At (23°C)

功耗(W)	Power consumption(W)	0.2W(L)						
额定电压(VDC)	Nominal voltage(VDC)	03	05	06	09	12	18	24
线圈电阻(Ω±10%)	Coil resistance(Ω±10%)	45	125	180	405	720	1620	2880
吸合电压(Max)	Pick-up voltage(Max)	75% 额定电压(Nominal voltage)						
释放电压(Min)	Drop-out voltage(Min)	10% 额定电压(Nominal voltage)						
允许最大电压(VDC)	Max allowable overdrive voltage(VDC)	130% 额定电压(Nominal voltage)						

安全认证(相关认证以第三方认证证书为准) / SAFETY APPROVAL RATINGS



5A 250VAC

5A 250VAC
3A 250VAC 感性/Inductive

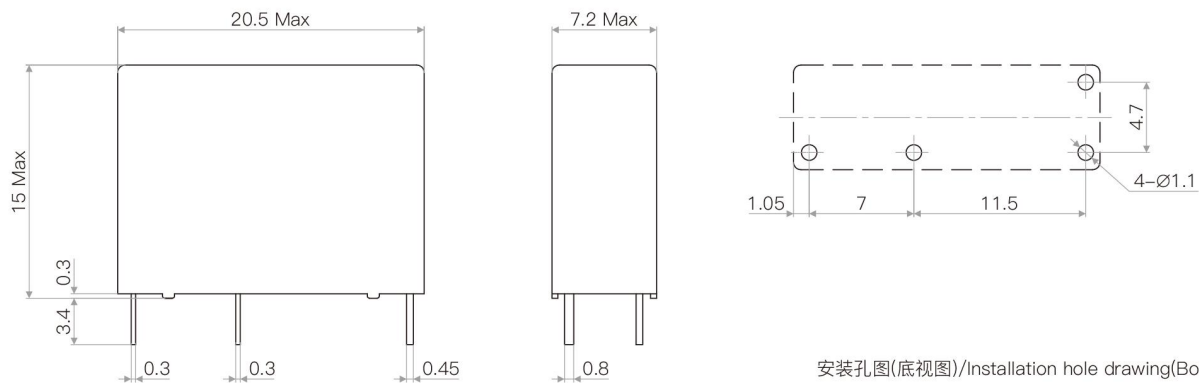
TV-3 125VAC
10A 125VAC
5A 250VAC

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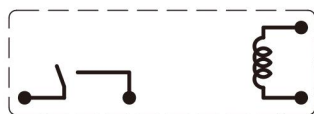
外形图 / OUTLINE DIMENSIONS

单位/Unit(mm)



安装孔图(底视图)/Installation hole drawing(Bottom view)
未注公差/Tolerance:±0.1

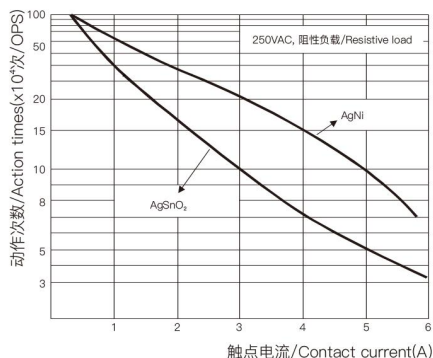
线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



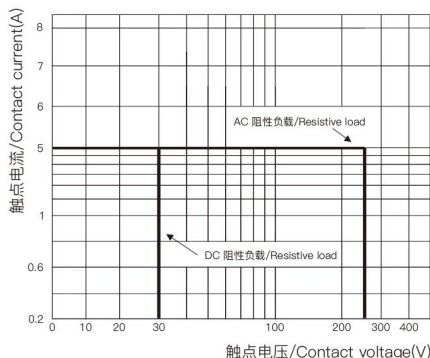
常开A型/Normally open A type

性能曲线图 / CHARACTERISTIC CURVES

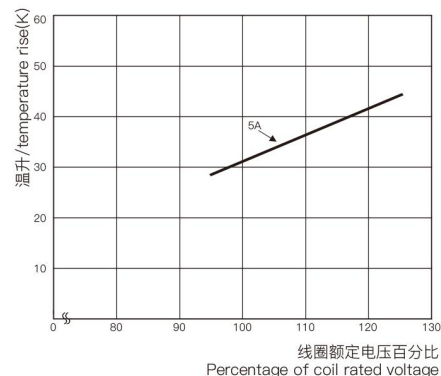
电耐久性曲线
Electrical endurance curve



最大切换功率
Maximum switching power



线圈温升
Coil temperature rise



测试条件:
 AgNi, 85°C, 1s通1s断。AgSnO₂, 85°C, 3s通3s断。
 Test conditions:
 AgNi, at 85°C, 1s on 1s off. AgSnO₂, at 85°C, 3s on 3s off.