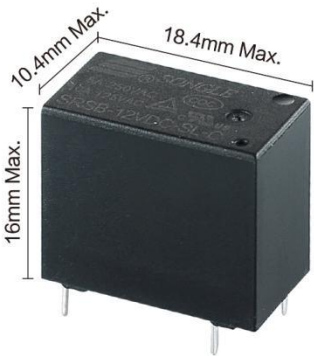


超小型中功率继电器
Subminiature Intermediate Power Relay

5A/10A

特性 / FEATURES

- 5A/10A触点切换能力
5A/10A switching capability
- 线圈与触点间介质耐电压2.5kV
Dielectric strength 2.5kV (between coil and contacts)
- UL级绝缘等级: F级
UL insulation system: Class F
- 印制板式引出端
Standard PCB layout



订购信息 / ORDERING INFORMATION

SRSB-1-12VDC-S L-C



触点参数 / CONTACT PARAMETERS

触点形式	Contact arrangement	A, B, C
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/10A 250VAC, 10A 125VAC/30VDC
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	2500VA/300W
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

SRSB-1 (4102-1) Series

超小型中功率继电器
Subminiature Intermediate Power Relay

5A/10A

特性参数 / CHARACTERISTICS PARAMETERS

绝缘等级	Insulation level	B/F	
绝缘电阻	Insulation resistance	1000MQ(500VDC)	
介质耐压 (漏电流 1mA)	Dielectric strength (Leakage current 1mA)	线圈与触点间 Between coil and contacts	2500VAC 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)	≤8ms	
释放时间(额定电压下)	Release time (without diode) (at nominal voltage)	≤5ms	
湿度	Humidity	5% ~ 85% RH	
环境温度(℃)	Ambient temperature	-40℃ ~ +85℃/+105℃	
抗冲击	Shock resistance	稳定性/Functional	294m/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 6g	
封装形式	Construction	密封/Sealed 防焊剂/Flux proofed	

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℃)

功耗(W)	Power consumption(W)	0.45W(L)								0.2W(H)							
额定电压(VDC)	Nominal voltage(VDC)	03	05	06	09	12	18	24		03	05	06	09	12	18	24	
线圈电阻(Ω±10%)	Coil resistance(Ω±10%)	20	55.5	80	180	320	720	1280		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)	5% 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



10A	250VAC
5A	250VAC

10A	250VAC
5A	250VAC
3A	250VAC
感性/Inductive	

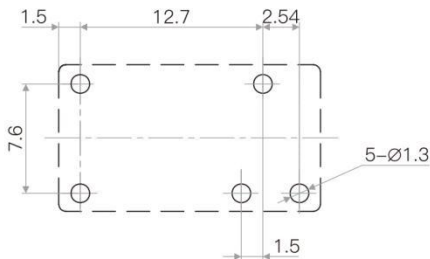
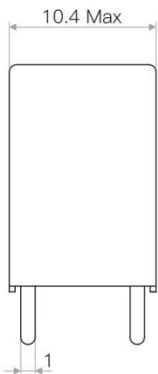
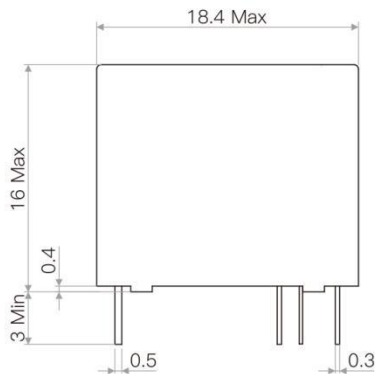
10A	30VDC
10A	125VAC
5A	250VAC

超小型中功率继电器
Subminiature Intermediate Power Relay

5A/10A

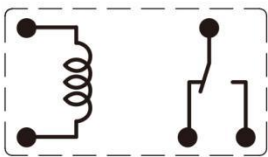
外形图 / OUTLINE DIMENSIONS

单位/Unit(mm)

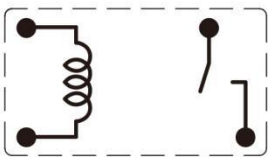


安装孔图(底视图)/Installation hole drawing(Bottom view)
未注公差/Tolerance:±0.1

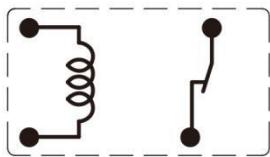
线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



转换C型/Conversion C type



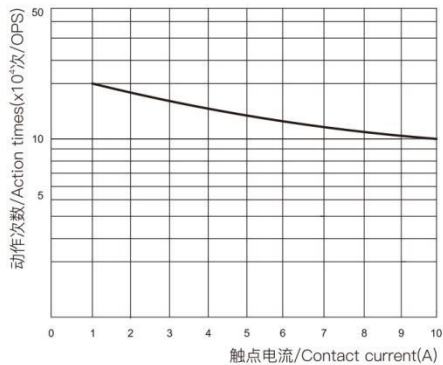
常开A型/Normally open A type



常闭B型/Normally closed B type

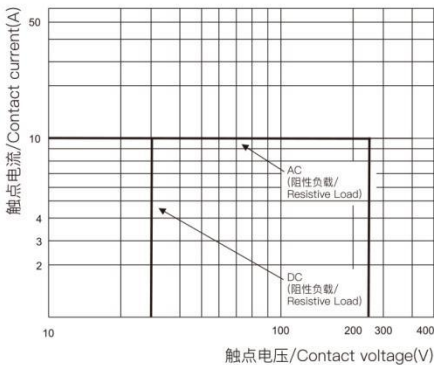
性能曲线图 / CHARACTERISTIC CURVES

电耐久性曲线
Electrical endurance curve

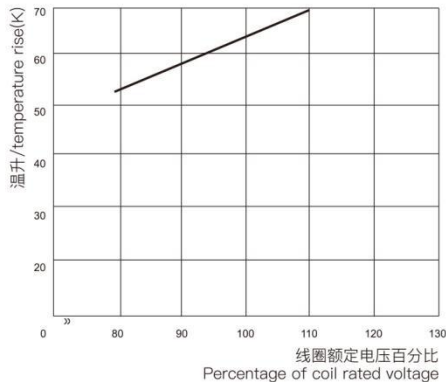


测试条件: 防焊剂型, 阻性负载, 10A 250VAC, 室温, 1s通9s断。
Test conditions: Flux proofed, resistive load, 10A/250VAC, at room temp. 1s on 9s off.

最大切换功率
Maximum switching power



线圈温升
Coil temperature rise



测试条件: 10A, 85°C
安装间距: 10mm
Testing conditions: 10Aat 85°C
Mounting distance: 10mm