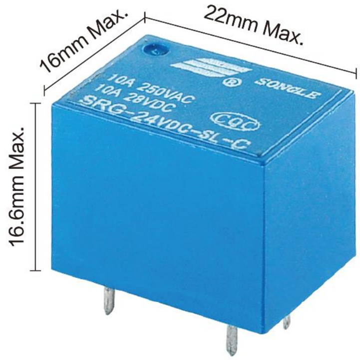
小型大功率继电器
Miniature High Power Relay

7A/10A/15A

特性 / FEATURES

- 小型、标准印制板引出脚
  Miniature, standard PCB layout
- 7A/10A/15A多种负载选择
  Contact rating: 7A/10A/15A
- 环境温度: –40˚C~+85˚C/+105˚C
  Ambient temperature: –40˚C~+85˚C/+105˚C



E167996　R50056114 R50137084　CQC08002027667　RoHS Compliant

订购信息 / ORDERING INFORMATION

SRG–12VDC–S L–C

C	A/B/C	触点形式 Contact Arrangment
L	L 0.36W / D 0.45W	线圈功率 Coil Power
S	S 密封/Sealed　F 防焊剂/Flux proofed	封装形式 Construction
12VDC	5/6/9/12/18/24/36/48VDC	线圈电压 Coil Voltage
SRG		型　号 Model

触点参数 / CONTACT PARAMETERS

触点形式	Contact arrangment	A, B, C
接触电阻	Contact resistance	≤100mΩ (1A 6VDC)
触点材质	Contact material	银合金/Silver alloy: $AgSnO_2In_2O_3$、$AgSnO_2$、AgNi
触点负载(阻性)	Contact rating(Res. load)	7A/10A/15A 250VAC/28VDC, 10A 125VAC
最大切换电压	Max switching voltage	277VAC/30VDC
最大切换电流	Max switching current	15A
最大切换功率	Max switching power	2770VA/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

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特性参数 / CHARACTERISTICS PARAMETERS

绝缘等级	Insulation level		B/F
绝缘电阻	Insulation resistance		100MΩ(500VDC)
介质耐压 (漏电流 1mA)	Dielectric strength (Leakage current 1mA)	线圈与触点间 Between coil and contacts	1500VAC 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)		≤5ms
湿度	Humidity		5% ~ 85% RH
环境温度(℃)	Ambient temperature		−40°C ~ +85°C/+105℃
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 10g
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°C)

功耗(W)	Power consumption(W)	0.36W(L)								0.45W(D)							
额定电压(VDC)	Nominal voltage(VDC)	5	6	9	12	18	24	36	48	5	6	9	12	18	24	36	48
线圈电阻(Ω±10%)	Coil resistance(Ω±10%)	69.4	100	225	400	900	1600	3600	6400	55	80	180	320	720	1280	2880	5120
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

CQC CQC08002027667

R50056114
R50137084

c US E167996

7A	250VAC
10A	250VAC

7A	250VAC	
10A	250VAC	
15A	250VAC	NO

10A	125VAC
10A	28VDC

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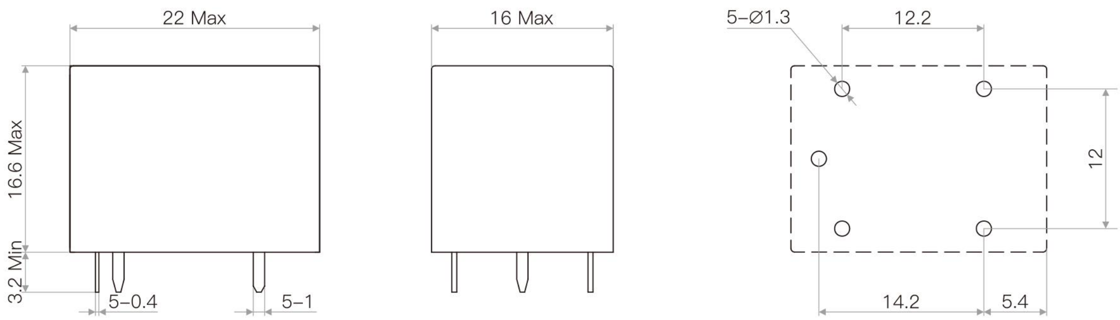
外形图 / OUTLINE DIMENSIONS

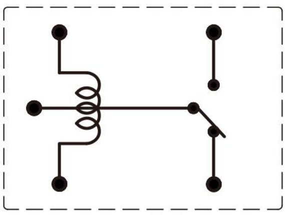
单位/Unit(mm)



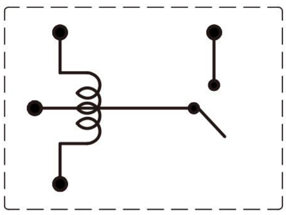
安装孔图(底视图)/Installation hole drawing(Bottom view)

未注公差/Tolerance:±0.1

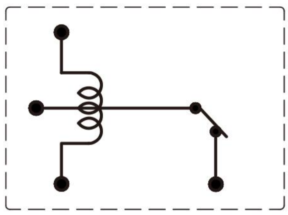
线路图(底视图) / WIRING DIAGRAM (BOTTOM VIEW)



转换C型/Conversion C type



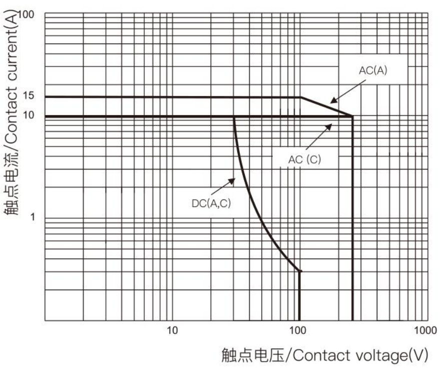
常开A型/Normally open A type



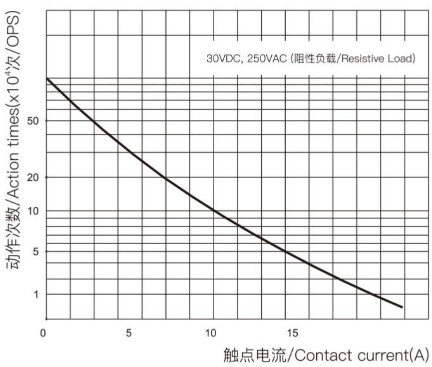
常闭B型/Normally closed B type

性能曲线图 / CHARACTERISTIC CURVES

最大切换功率
Maximum switching power



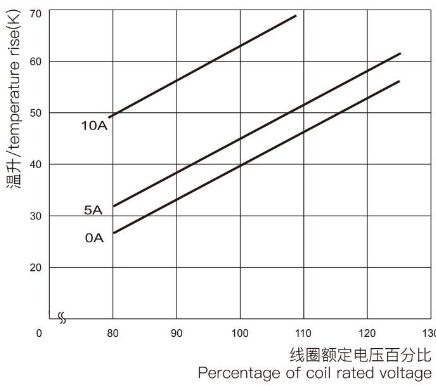
电耐久性曲线
Electrical endurance curve



测试条件: NO端，防焊剂型，室温，1s通9s断。

Test conditions: NO, Flux proofed type, Room temp., 1s on 9s off.

线圈温升
Coil temperature rise



(继电器安装间距不小于10mm)
(Relay mounting distance should be Tess than 10mm.)