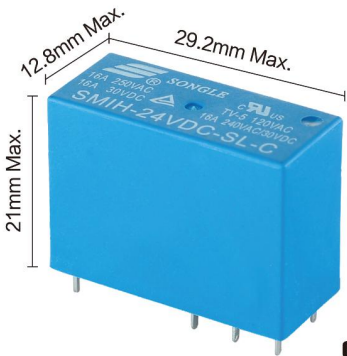


小型大功率继电器
Miniature High Power Relay

16A

特性 / FEATURES

- 20A触点切换能力
20A switching capability
- 线圈与触点间耐压为5kV
5kV dielectric strength (between coil and contacts)
- 具有一组常开、转换、常闭触点形式
1 Form A, 1 Form B and 1 Form C configurations
- 密封型和防焊剂型可供选择
Sealed and flux proofed types available
- UL绝缘等级: F级绝缘等级可供选择
UL insulation system: Class F available



订购信息 / ORDERING INFORMATION

SMIH-12VDC-S L-C

A/B/C	触点形式 Contact Arrangement
L 0.54W / D 0.72W	线圈功率 Coil Power
S 密封/Sealed F 防焊剂/Flux proofed	封装形式 Construction
5/6/9/12/18/24/36/48VDC	线圈电压 Coil Voltage
	型 号 Model

触点参数 / CONTACT PARAMETERS

触点形式	Contact arrangement	A, B, C
接触电阻	Contact resistance	≤50mΩ (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)	16A 250VAC/30VDC, TV-5 120VAC
最大切换电压	Max switching voltage	277VAC/30VDC
最大切换电流	Max switching current	20A
最大切换功率	Max switching power	5540VA/480W
电耐久性 (频率:每小时360次)	Electrical endurance (Frequency:360 ops/h)	1×10 ⁵ ops / 1×10 ⁴ ops
机械耐久性 (频率:每小时18000次)	Mechanical endurance (Frequency:18000 ops/h)	1×10 ⁷ ops

小型大功率继电器
Miniature High Power Relay

16A

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
		5000VAC 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)	≤15ms
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℃
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 17g
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)	0.54W(L)								0.72W(D)							
额定电压(VDC)	Nominal voltage(VDC)	05	06	09	12	18	24	36	48	05	06	09	12	18	24	36	48
线圈电阻(Ω±10%)	Coil resistance(Ω±10%)	46.3	66.7	150	267	600	1067	2400	4267	34.7	50	112.5	200	450	800	1800	3200
吸合电压(Max)	Pick-up voltage(Max)	80% 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

 CQC22002356137

 R50056114

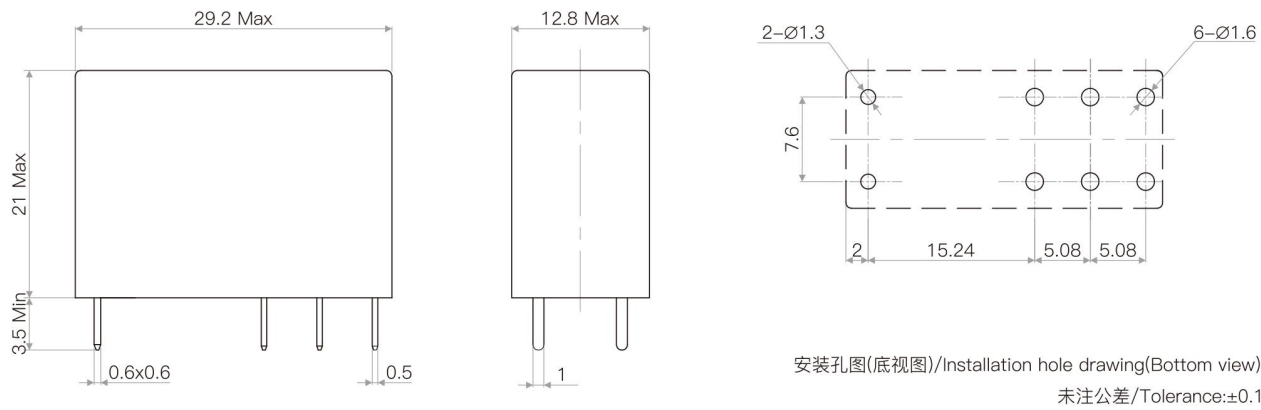
 E167996

16A250VAC

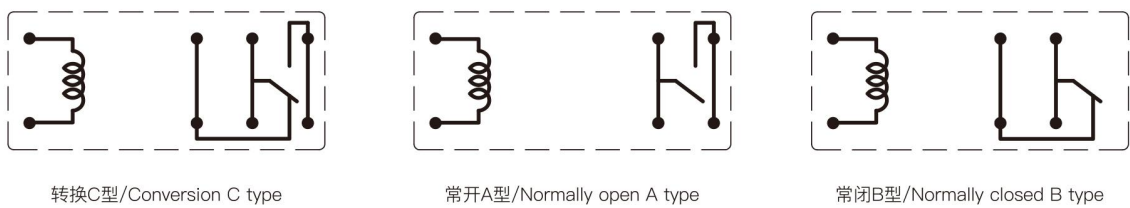
3A250VAC
16A250VAC感性/Inductive

TV-516A120VAC
250VAC感性/Inductive

外形图 / OUTLINE DIMENSIONS 单位/Unit(mm)



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



性能曲线图 / CHARACTERISTIC CURVES

