ST115-26 PCB通用功率继电器 PCB General Power Relay

特性 Features

- 26A负载开闭能力 26A switching capability
- 爬电距离 Creepage distance: 10 mm
- 5kV介电强度(线圈与触点之间) 5kV dielectric strength (between coil and contacts)
- 满足环境工作温度105℃的要求 Meets the requirement of ambient working temperature 105℃
- UL绝缘系统:F级可选 UL insulation system: Class F available
- 环保产品(符合RoHS标准) Environmental friendly product (RoHS compliant)
- 尺寸：29.0 x 12.7 x 15.7 mm Dimensions: 29.0 x 12.7 x 15.7 mm



典型应用 Application

- 家用电器/自动化系统/电气设备/仪器/仪表/电信设备/遥控系统/安全系统。Household Electrical Appliance / Automation System / Electrical Equipment / Instrument / Meter / Telecommunication Facilities / Remote Control System / Security System.

触点参数 Contact Data

触点形式 Contact Arrangement	1A
触点额定 Contact Rating	26A 277VAC/30VAC
最大切换电压 Max. Switching Voltage	277VAC/30VDC
最大切换电流 Max. Switching Current	26A
触点材质 Contact Material	银合金 Ag alloy
接触电阻 Contact Resistance	Max.100mΩ (1A 5VDC)
动作/释放时间 Operate Time/ Release Time	≤15ms/≤8ms
电耐久性 Electrical Endurance	$1*10^4$ops (26A 277VAC, Resistive load, 105℃, 1s on 9s off)
机械耐久性 Mechanical Endurance	$1*10^6$ops.
最大切换功率 Max. Switching Power	7200VA

性能参数 Characteristics

绝缘电阻 Insulation Resistance		1000MΩ Min（at 500VDC)
介质耐压 Dielectric Strength	断开触点间 Between Open Contacts	1000Vrms 1min
	线圈与触点间 Between Coil and Contact	5000Vrms 1min
温度范围 Temperature Range		-40~+105℃
湿度 Ambient Operating Humidity		5% ~ 85%RH
振动 Vibration Resistance		10~55Hz double amplitude 1.5mm
冲击 Shock	稳定性 Functional	10G
	强度 Destructive	100G
重量 Weight		Approx.13.5g

线圈参数 Coil Data

线圈电压范围 Coil Voltage Range	5~48VDC
容许最大电压 Max. Continuous	额定电压的130% 130% of Rated Voltage
线圈绝缘等级 Coil Insulation System	Class F
额定线圈功率 Coil Rating Power	约Approx. 0.4W

注:

a) 所有数值均为在环境温度+23℃下未预通电的线圈 All the performance data are for coils that are not pre energized at 23℃ ambient temperature.

线圈规格 Coil Voltage Specifications

额定电压 Nominal Coil	动作电压 Must Operate	释放电压 Release Coil	线圈电阻 Coil Resistance
VDC	VDC	VDC	Ω(±10%)
5	3.75	0.5	62
9	6.75	0.9	202
12	9.00	1.2	360
18	13.5	1.8	810
24	18.0	2.4	1440
48	36.0	4.8	5760(1±15%)

注:

a) 以上值为初始值 All the performance data are initial values.

b) 线圈电阻是在线圈温度23℃, 公差为±10% Coil resistance is tested at 23℃ ambient temperature, ±10% tolerance.

■ 型号命名标准 Model Number Legend

ST115	-26	-1A	-12	S	T	F	,XXX

基本型号 Basic Type：
ST115

触点负载 Contact Rating:
26: 26A

触点结构 Contact Arrangement:
1A: 1组常开 1 Form A

线圈电压 Coil Voltage:
5, 6, 9, 12, 18, 24, 48, 60, 110VDC

防护构造 Protective Construction:
Blank: 耐助焊剂型 Flux Tight; S: 塑料密封型 Plastic Sealed

耐温等级 Temperature Resistance Class:
Blank: 85℃; T: 105℃

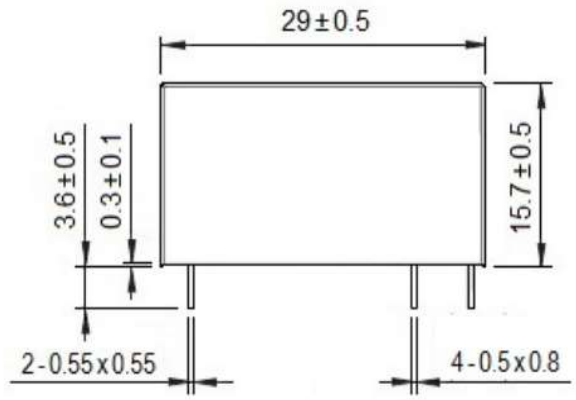
绝缘等级 Insulation Class:
Blank/F: F级 Class F

特殊特性 Special Characteristic:
Blank: 标准型 Standard; 5*: TV-5认证; 8*: TV-8认证; R*: 加强绝缘 Reinforce; XXX: 客户特殊特性号 Customer Special Feature Number

*有关特殊产品详情，请与我司联系。 For special product's detail, please contact STEIPU.

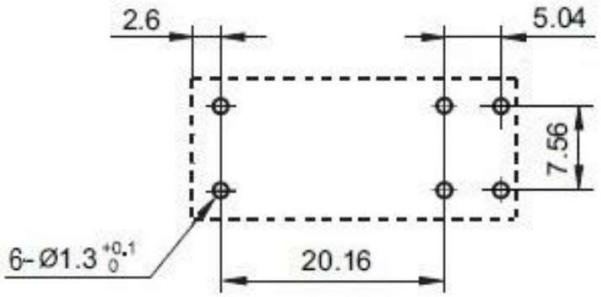
■ 外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

◆ 外形尺寸 Outline Dimensions

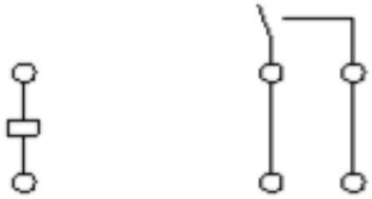




◆ 印刷线路板加工尺寸 PCB Outline Dimension Bottom View



◆ 接线图 Wiring Diagram Bottom View



注 Note:
未注尺寸公差 Unspecified tolerance : <1mm: ±0.2 mm, 1~5 mm: ±0.3mm, >5mm: ±0. 5mm ;
安装孔尺寸中未注尺寸公差为± 0.1 mm PC board layout dimensions hadn't specified tolerance is ±0.1mm.

免责声明:

本说明书仅供参考。

有关更多信息，请参阅“术语和指南”。规格如有更改，恕不另行通知。我们无法评估每个可能应用的所有性能和所有参数。因此，用户应该在一个正确的位置选择适合自己的产品。如有任何疑问或者需要技术服务，请联系STEIPU。

Disclaimer:

This manual is for reference only . For more information, see Terms and Guidelines. Specifications are subject to change without notice. We cannot evaluate all performance and all parameters for every possible application. Therefore, users should choose the right product for them in the right place. If you have any questions or need technical services, please contact STEIPU.