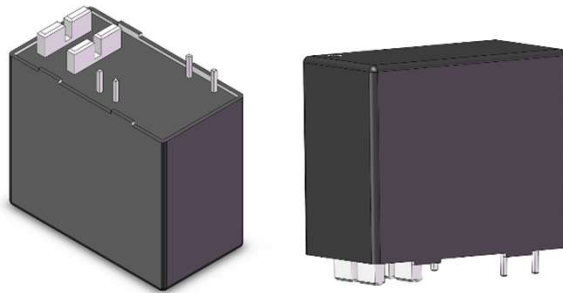


STEVO1-63 小型功率磁保持继电器 Miniature Power Latching Relay

特性 Features

- 90A触点切换能力 90A Rating Switching Capability
- 磁保持型继电器，节省功耗 Latching Type Relay, Power Saving
- 辅助触点可选 Auxiliary Contact Available环保产品(符合RoHS标准) Environmental friendly product (RoHS compliant)
- 环保产品(符合RoHS标准) Environmental Friendly Product (RoHS compliant)
- 外形尺寸 Outline Dimensions: (30.0 x 16.0 x 25.0)mm



典型应用 Application

- 控制设备的输出用途/车载充电器/充电桩等 Output use of control equipment/On board charging(OBC)/Charging station etc.

触点参数 Contact Data

触点形式 Contact Arrangement	1B/1A, 1B+1B/1A+1A
触点额定 Contact Rating	90A 250VAC, 63A 250VAC, 32A 250VAC
最大切换电压 Max. Switching Voltage	277VAC/30VDC
最大切换电流 Max. Switching Current	90A
触点材质 Contact Material	银合金 Ag alloy
接触电阻 Contact Resistance	Max.2mΩ (1A 6VDC)
动作/释放时间 Operate Time/ Release Time	≤20ms/≤10ms
最小切换负载 Min. switching load	100mA 1VDC
电耐久性 Electrical Endurance	90A 250VAC on: off= 1S: 9s, 85°C, 阻性负载 R-Load, 6*10 ³ ops. 63A 250VAC on: off= 1S: 9s, 85°C, 阻性负载 R-Load, 1*10 ⁴ ops.
机械耐久性 Mechanical Endurance	1*10 ⁶ ops.
电流耐受 Current Carrying Capacity	90A: 持续 Continuous 200A: 5ms
最大切换功率 Max. Switching Power	22500VA

线圈参数 Coil Data

线圈电压范围 Coil Voltage Range	12~60 VDC
容许最大电压 Max. Continuous	额定电压的120% 120% of Rated Voltage
线圈绝缘等级 Coil Insulation System	Class F
额定线圈功率 Coil Rating Power	20W
最小线圈脉冲宽度 Min. Coil Voltage Plus Width	200ms

注:

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

性能参数 Characteristics

绝缘电阻 Insulation Resistance		100MΩ 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	1000Vrms 1min
温度范围 Temperature Range		-40~+90°C
湿度 Ambient Operating Humidity		5% ~ 95%RH
振动 Vibration Resistance		10Hz-55Hz, at double amplitude 1mm 频率 10Hz-55Hz, 双振幅 1mm
冲击 Shock	稳定性 Functional	10G
	强度 Destructive	50G

辅助触点规格 Auxiliary Contacts Specifications

辅助触点形式 Auxiliary Contacts Arrangement	1路常闭 1 Form B
最大负载 Max. Load	30VDC 1A, 125VAC 1A
最小负载 Min. Load	8VDC 0.1A
接触电阻 Contact Resistance	<0.1Ω

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(10A) Coil Resistance
VDC	VDC	VDC	20W
12	9	9	Ω(±10%)
24	18	18	7.2
48	36	36	28.8
60	45	45	115.2
			180.0

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°C，公差为±10% Coil resistance is tested at 23°C ambient temperature, ±10% tolerance.

STEVO1-63 小型功率磁保持继电器 Miniature Power Latching Relay

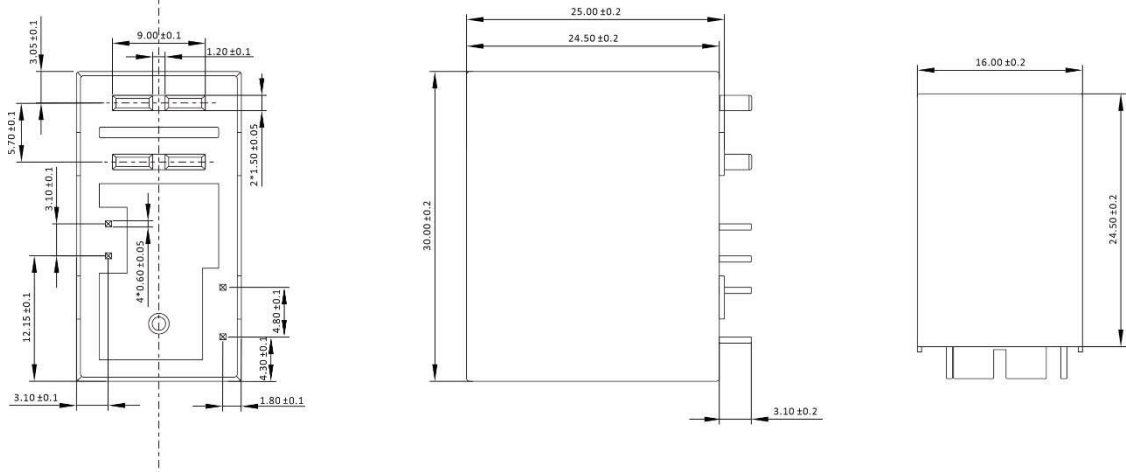
型号命名标准 Model Number Legend

基本型号 Basic Type:	STEVO1	-1A	-63S	-12	U	S	,XXX
触点结构 Contact Arrangement:	1A: 1组常开 1 Form A; 1B: 1组常闭 1 Form B						
辅助触点 Auxiliary Contact:	63: 不带辅助触点 without Auxiliary Contact 63S: 带1 组开辅助触点 With 1 Form A Auxiliary Contact 63D: 带1组常闭辅助触点 with 1B Auxiliary Contact						
线圈电压 Coil voltage:	5, 6, 9, 12, 24, 48VDC						
线圈排序 Coil Sort:	U: 单线圈磁保持 1 Coil Latching K: 双线圈磁保持 2 Coils Latching						
防护构造 Protective construction:	Blank: 耐助焊剂型 Flux Tight; S: 塑料密封型 Sealed						
特殊特性 Special Characteristic:	Blank: 标准型 Standard; XXX: 客户特殊特性号 Customer Special Feature Number						

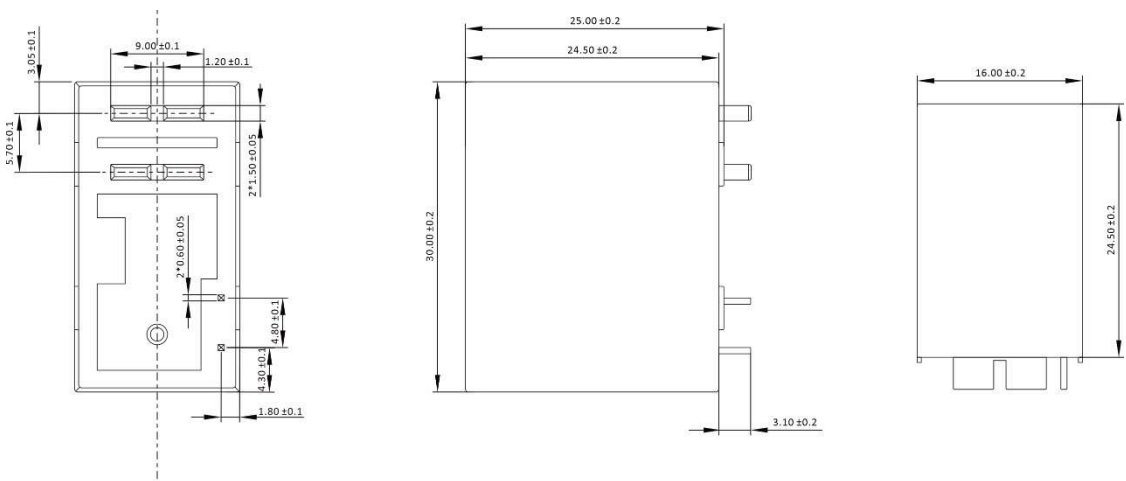
外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

外形尺寸 Outline Dimensions

带辅助触点 with Auxiliary Contact

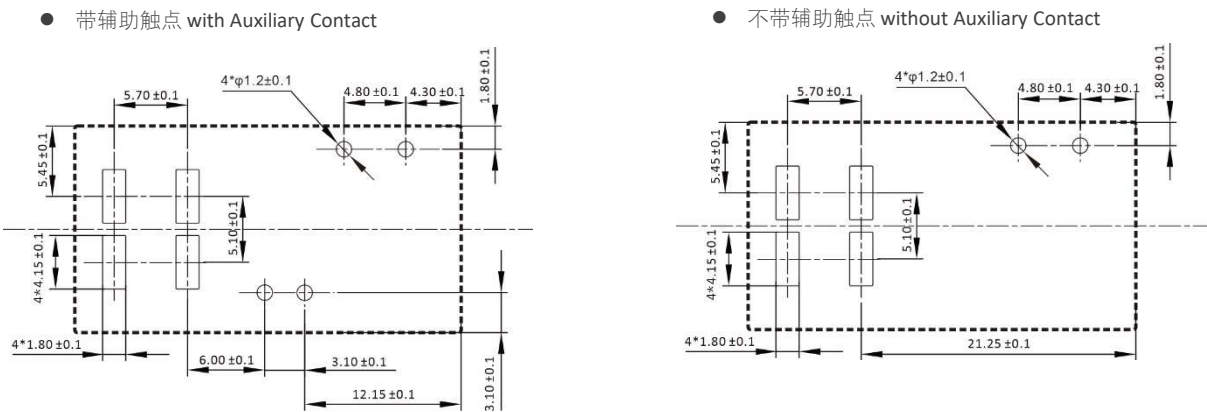


不带辅助触点 without Auxiliary Contact

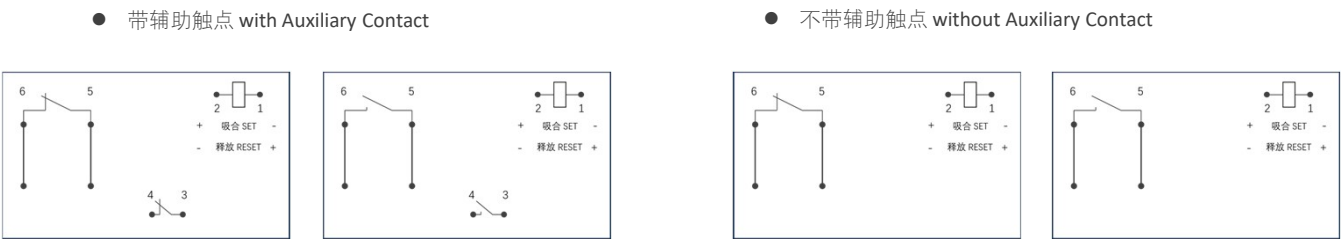


STEIPU-63 小型功率磁保持继电器 Miniature Power Latching Relay

◆ 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 PCB layout dimensions hadn't specified tolerance is ±0.1mm.

- 请注意:
- 上面显示的数据是初始值。
 - 继电器在出库时处于“吸合”或“释放”状态，考虑中转冲击上升和继电器安装时，继电器将变为“吸合”或“释放”状态，因此，在应用（连接电源）时，请根据要求将继电器复位到“吸合”或“释放”状态。
 - 在运输、储存和操作产品过程中。请将产品置于远离磁场的地方避免操作电压和释放电压的变化。
 - 不要同时给“吸合”线圈和“释放”线圈通电。同时长时间通电（1分钟以上）应该避免。
 - 用于计量测量应用的继电器通常采用防尘结构，但大多数继电器可以根据客户的具体要求特制。这类继电器建议存放时间不超过6个月，并且请注意存放环境。如果客户无特殊要求，为确保接触可靠性，在交货时我们将保持继电器触点闭合状态。

- Notice:
- The data shown above are initial values.
 - Relay is on the “reset” or “set” status when being released from stock, with the consideration of shock risen from transit and relay mounting, relay would be changed to “set” or “reset” status, therefore, when application (connecting the power supply), please reset the relay to “set” or “reset” status on request.
 - During transportation, storage and operation the product. Please keep the product away from magnetic fields to avoid changes of operate and release voltage.
 - Do not energize voltage to “set” coil and “reset” coil simultaneously. And also long energized time (more than 1 min) should be avoided.
 - Relays used for metering measuring applications are usually made with dust proof structure, while most relays could be made specially per customer’s specific requirements. No longer than 6 months’ storage time is recommended for this kind of relay, and please pay attention to the storage environment. To ensure contact reliability, we will keep contact status be closed when delivery if no special required by customer.

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.