

STE10 大功率继电器 MINIATURE HIGH POWER LATCHING RELAY

- 触点线圈间介质耐压4kV以上 Dielectric strength: more than 4kV (between coil and contacts)
- 50点切换能力 50A switching capability
- 灯负载控制能力高达5000W Lamp load up to 5000W
- 马达负载控制能力达5HP Motor load up to 5HP
- 抗浪涌电流能力达500A/2ms Max. inrush current 500A/2ms
- 具备手动开关调试功能 Manual switch function available
- 可供触点间隙为1.5mm继电器 Relays with 1.5mm contact gap are available
- 环保产品 (符合RoHS) Environmental friendly product (RoHS compliant)
- 外形尺寸 Outline Dimensions: 39.0mm x 15.0mm x 30.2mm



型号命名标准 Product Code Structure

	STE10	-2	12	A	V	1	R	(XXX)
基本型号 Type								
STE10								
系列代号 Version								
1.无手动开关 (No manual switch) 无定位凸台 (No auxiliary convexity)								
2.有手动开关 (With manual switch) 无定位凸台 (No auxiliary convexity)								
3.无手动开关 (No manual switch) 有定位凸台 (With auxiliary convexity)								
4.有手动开关 (With manual switch) 有定位凸台 (With auxiliary convexity)								
线圈额定电压 Coil voltage								
06, 09, 12, 24, 48								
触点结构 Contact form								
A -- FORM 1A, B -- FORM 1B, C -- FORM 1C								
封装形式 Category of protection								
V -- 非密封型, S -- 密封型								
线圈类型 coil sort								
1:单线圈磁保持 2:双线圈磁保持								
极性特点 polarity								
R:反极性 (如接线图) 无:标准极性 (如接线图)								
特殊标记 Suffix								
Blank-- 标准型 Standard, (XXX) -- 客户特殊需求 For customer special requirement,								

■ 触点参数 Contact Data

接点结构 contact arrangement	1A,1B,1C
接点材料 contact material	Ag合金 Ag alloy
额定负载 contact rating	1A,1B: 50A277VAC, 1 x 10 ³ ops (阻性负载 resistance) 5000W 240VAC, 3 x 10 ³ 次 (白炽灯 incandescent lamp) 16A 277VAC, 6000次 (电子镇流器 electronic ballast) 5HP 277VAC, 3 x 10 ³ 次 (马达负载 motor) 1C: 40A277VAC, 3 x 10 ³ 次 (阻性负载 resistance)
最大切换电压 Max.Switching voltage	440VAC
最大切换电流 Max.Switching Current	50A
最大切换功率 Max.Switching power	1A:12500VA, 1C:10000VA

■ 性能参数 Characteristics

接触电阻 Contact resistance	100m max
吸合时间 Operate time	15ms max
释放时间 Release time	15ms max
绝缘电阻 Insulation resistance	1000MΩ min (DC500V)
介电耐压 Initial dielectric strength	线圈触点间 Between contact and coil AC4000V1mA 50/60Hz 1min
	开路触点间 Between open contacts AC1500V1mA 50/60Hz 1min
振动 Vibration resistance	10-55-10Hz (双振幅1.5mm)(double amplitude1.5mm)
冲击 Shock resistance	稳定性 Functional
	强度 Destructive
机械寿命 Mechanical endurance,	100m/s ² (约10G)
电气寿命 Electrical endurance	10 x 10 ³ ops
温度范围 Ambient operating temperature	见触点负载 see rated load
湿度范围 Ambient operating humidity	-40~+70°C
重量 Weight	5-85%RH
	Approx.32g

■ 线圈参数 Coil Data(DC)

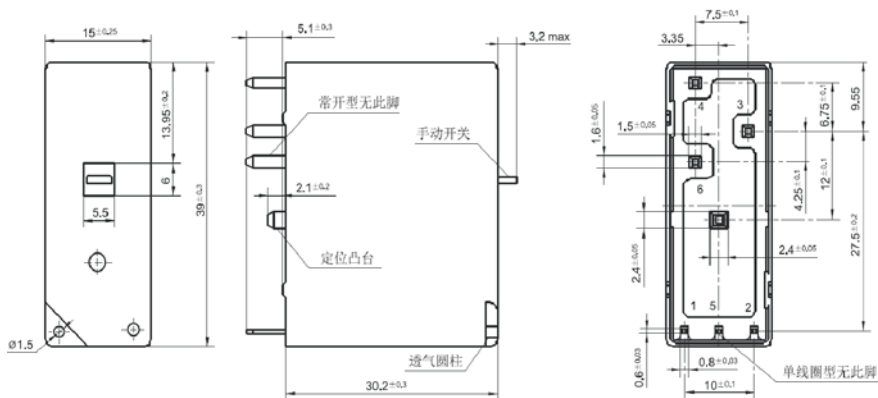
单线圈 single coil latching					双线圈 double coils latching				
额定电压 Rated voltage (V)	动作、复位电压 Set/ reset voltage (V)	脉冲宽度 pulse duration ms	线圈电阻 Coil resistance (Ω)	线圈功耗 Rated coil power (W)	额定电压 Rated voltage (V)	动作、复位电压 Set/ reset voltage (V)	脉冲宽度 pulse duration ms	线圈电阻 Coil resistance (Ω)	线圈功耗 Rated coil power (W)
6	≤4.8	50	24	1.5W	6	≤4.8	50	12+12	3.0W
9	≤7.2	50	54		9	≤7.2	50	27+27	
12	≤9.6	50	96		12	≤9.6	50	48+48	
24	≤19.2	50	384		24	≤19.2	50	192+19	
48	≤38.4	50	1536		48	≤38.4	50	768+76	
								2	
								8	

注：额定电流和线圈电阻是在线圈温度23℃，公差为 1 0%
Note. The rated current and coil resistance are measured at a coil temperature of 23 °C with a tolerance of 1 0%

■ 外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram (mm)

外形图 Outline dimensions

STE10-1, STE10-2, STE10-3, STE10-4,



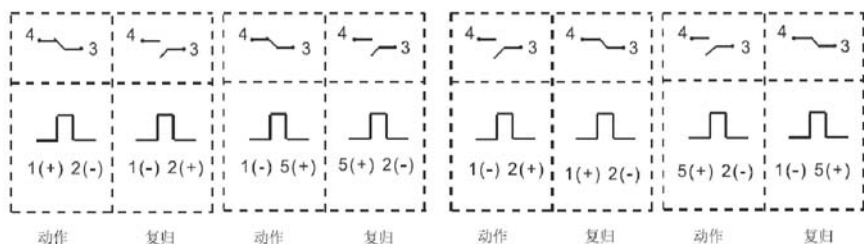
标准极性

单线圈，一组常开型

双线圈，一组常开型

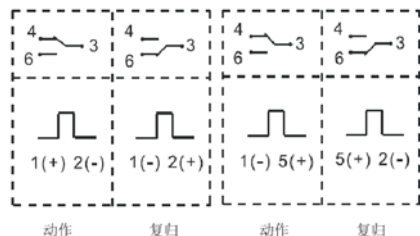
单线圈，一组常闭

双线圈，一组常闭



单线圈，一组转换型

双线圈，一组转换型



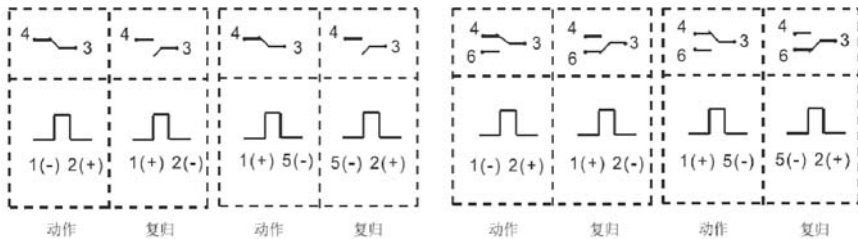
反极性

单线圈，一组常开型

双线圈，一组常开型

单线圈，一组转换型

双线圈，一组转换型



单线圈，一组常闭

双线圈，一组常闭

