

特性 Features

- 40A, 70A, 80A, 100A触点切换能力可选 40A, 70A, 80A, 100A contact switching capability optional
- 最大220VDC切换电压 Max. 220VDC switching capability
- 1组常开1组常闭触点结构* 1 Form A/1 Form C contact arrangement*
- 环境温度范围:-40°C~85°C Ambient temperature range: -40°C to 85°C
- 环保产品(符合RoHS标准) Environmental friendly product (RoHS compliant)
- 可用于PC板安装和直接插入安装 Available for PC board mounting & direct insert mounting
- 尺寸Dimension:26.0 x 26.0 x 22.7 mm (40A, 70A)
- 尺寸Dimension:26.0 x 26.0 x 24.8 mm (80A, 100A)

*1组转换只针对40A,70A负载 1 Form C only for 40A, 70A rating current product



典型应用 Application

- 储能电池, 电池充电器等。Energy storage batteries, battery chargers, etc..

触点参数 Contact Data

	-40	-70	-80	-100
触点形式 Contact Arrangement	1A,1B,1C			
触点额定 Contact Rating	NO:40A 120VDC NO:10A 220VDC NC:30A 120VDC	NO:70A 120VDC NO:30A 220VDC NC:50A 120VDC	80A 120VDC 40A 220VDC	100A 120VDC 40A 220VDC
最大切换电压 Max. Switching Voltage	220VDC			
最大切换电流 Max. Switching Current	40A	70A	80A	100A
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	≤10ms/≤10ms		≤10ms/≤7ms	
电耐久性 Electrical Endurance	NO:40A 120VDC 2*10 ⁴ ops. NO:10A 220VDC 6*10 ³ ops. NC:30A 120VDC 6*10 ³ ops.	NO:70A 120VDC 2*10 ⁴ ops. NO:30A 220VDC 6*10 ³ ops. NC:50A 120VDC 6*10 ³ ops.	on: off=1s:9s @95°C	
			80A 24VDC 5*10 ³ ops. 80A 150VDC 1*10 ⁴ ops. 100A 100VDC 3*10 ³ ops.	80A 24VDC 1*10 ⁴ ops. 80A 150VDC 1*10 ⁴ ops. 100A 100VDC 3*10 ³ ops.
机械耐久性 Mechanical Endurance	1*10 ⁷ ops.			
最大切换功率 Max. Switching Power	4800W	8400W	9600W	12000W

线圈参数 Coil Data

线圈电压范围 Coil Voltage Range	5~48 VDC
容许最大电压 Max. Continuous	额定电压的165% 165% of Rated Voltage
额定线圈功率 Coil Rating Power	1.6/2.0W

注 Note:

- 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	500MΩ Min (at 500VDC)	
介质耐压 Dielectric Strength	断开触点间 Between Open Contacts 线圈与触点间 Between Coil and Contact	500Vrms 1min 500Vrms 1min
温度范围 Temperature Range	40A, 70A 80A, 100A	-40~+85°C -40~+70°C
湿度 Ambient Operating Humidity	5% ~ 95%RH	
振动 Vibration Resistance	10Hz-55Hz, at double amplitude 1.5mm 频率 10Hz-55Hz, 双振幅 1.5mm	
冲击 Shock	稳定性 Functional 强度 Destructive	30G 100G
重量 Weight	40A 70A 80A, 100A	Approx.38g Approx.41g Approx.33g

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		并联电阻 Parallel resistance
			1.6W	2.0W	
VDC	VDC	VDC	Ω(±10%)		Ω
5	3	0.5	16	13	/
6	3.6	0.6	23	18	/
9	5.4	0.9	51	41	/
12	7.2	1.2	90	72	/
12	7.20	1.2	79.4	65.2	680
18	10.8	1.8	203	162	/
24	14.4	2.4	360	288	/
24	14.4	2.4	317.6	260.2	2700
48	28.8	4.8	1440	1152	/

注 Note:

- 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.

STD98P 低压直流继电器 Low Voltage DC Relay

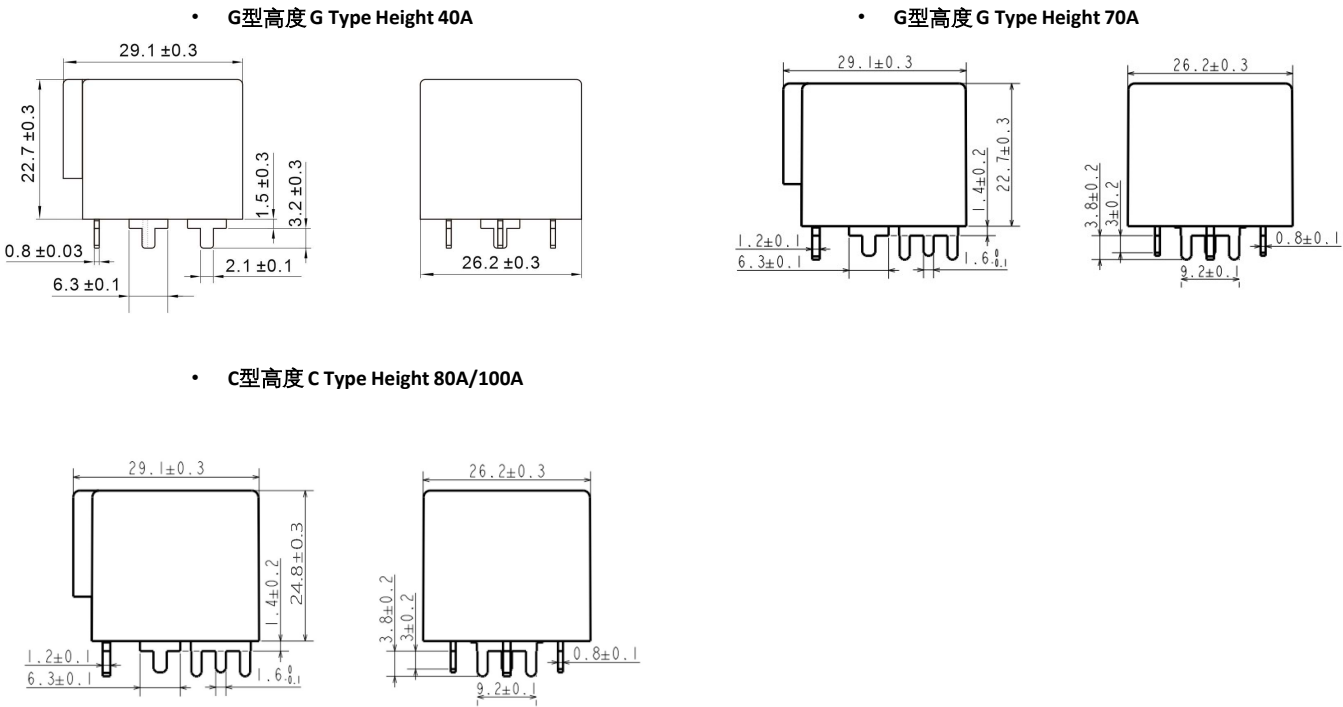
型号命名标准 Model Number Legend

	STD98P	-80	-1A	-12	L	S	1	R	C	,XXX
基本型号 Basic Type:										
STD98P: PCB Type										
触点负载 Contact Rating:										
40: 40A; 70: 70A; 80: 80A; 100: 100A										
触点结构 Contact Arrangement:										
1A: 1组常开 1 Form A; 1B: 1组常闭 1 Form B; 1C: 1组转换 1 Form C*										
线圈电压 Coil Voltage:										
5, 6, 9, 12, 18, 24, 48VDC										
线圈功耗 Coil Power:										
Blank:2.0W; L: 1.6W										
防护构造 Protective Construction:										
Blank: 耐助焊剂型 Flux Tight; S: 塑料密封型 Sealed										
触点材料 Contact Material:										
Blank: AgSnO2; 1: AgSnO2In2O3										
线圈并联元件 Coil Paralleled Component:										
Blank: Standard; R: with Resistance; D1: with diode (the diode anode on #85 terminal); D2: with diode (the diode anode on #86 terminal)										
外壳高度 Case Height:										
C: 24.8mm; G: 22.7mm										
特殊特性 Special Characteristic:										
Blank:标准型Standard; XXX: 客户特殊特性号 Customer Special Feature Number										

*1组转换只针对40A, 70A负载 1 Form C only for 40A 70A rating current product

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

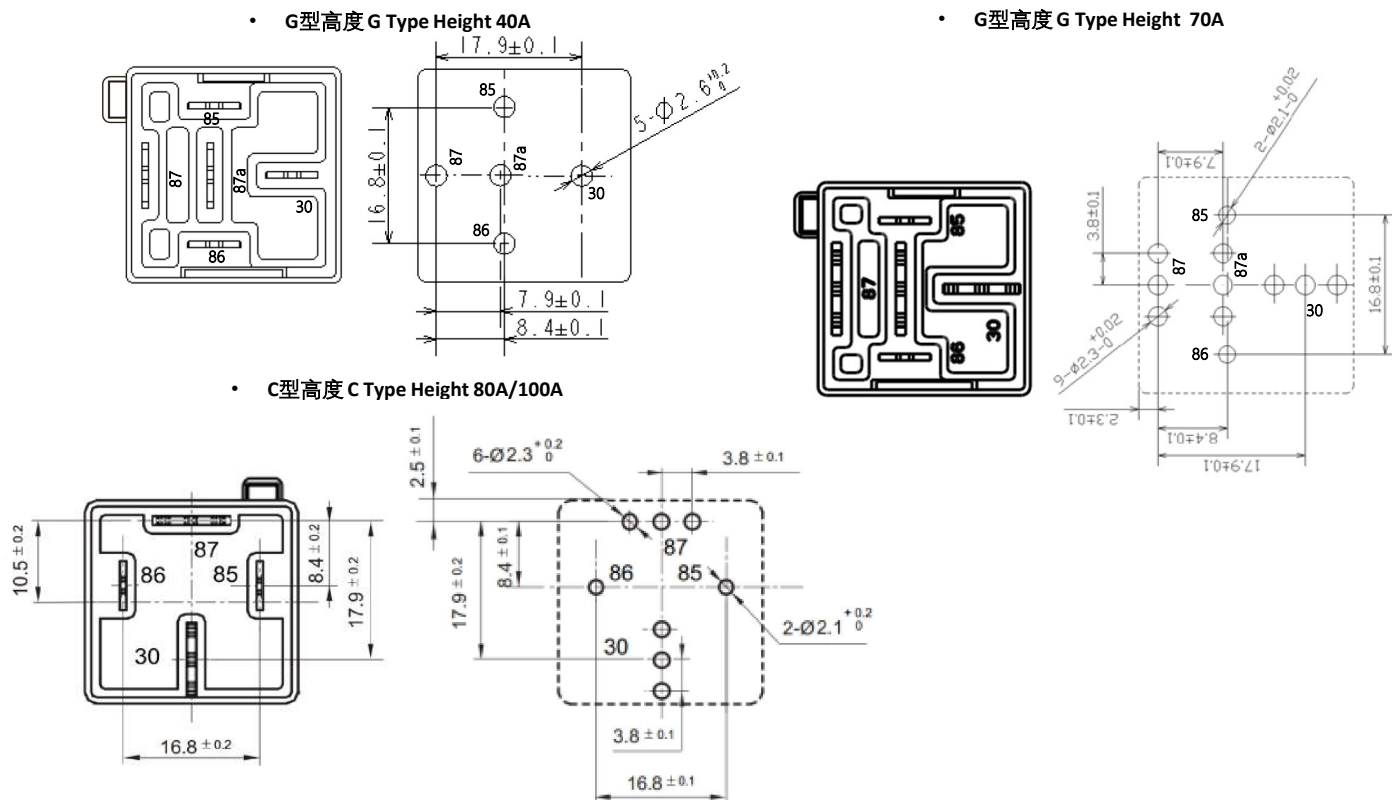
外形尺寸 Outline Dimensions



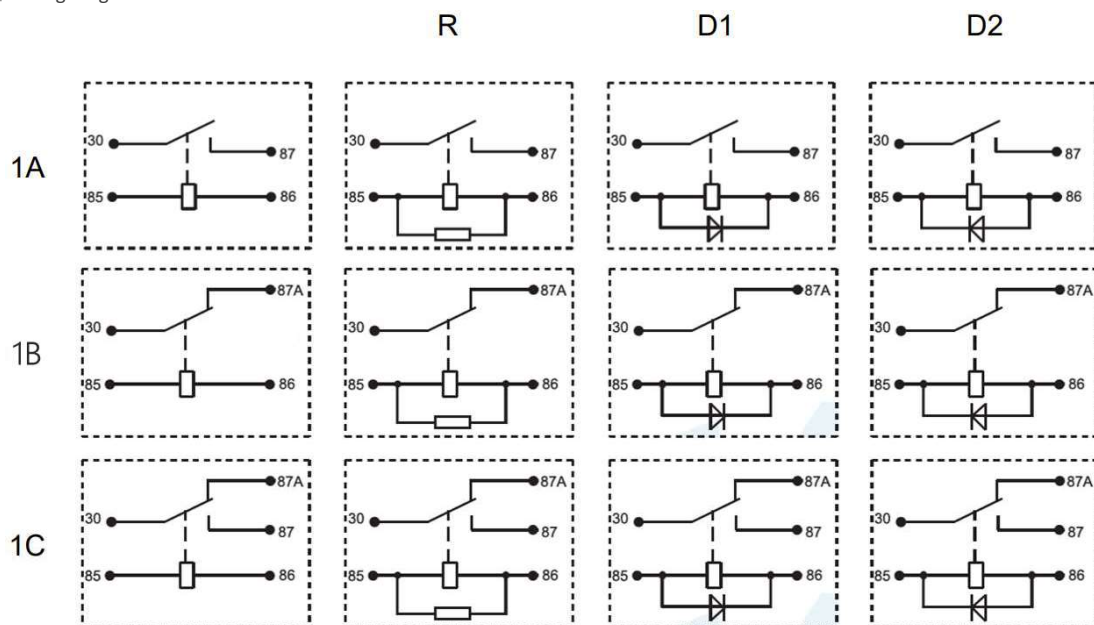
STD98P 低压直流继电器 Low Voltage DC Relay

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

◆ 印刷电路板加工尺寸 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: ± 0.3 mm, >5mm: ± 0.5 mm ;

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 ± 0.1 mm.

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。

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