

特性 Features

- 10A负载切换能力 10A switching capability
- 标准插座式、PCB引出脚 Standard socket type/PCB outlet pin
- 可提供满足IEC60335-1标准产品 Comply IEC60335-1 available
- 环保产品(符合RoHS标准) Environmental friendly product (RoHS compliant)
- 满足插座配套使用 Socket available



典型应用 Application

- 工业控制/自动化控制/配电柜等。 Industrial control/automation control/distribution cabinet, etc.

触点参数 Contact Data

触点形式 Contact Arrangement	2A/2B/2C/3A/3B/3C 4A/4B/4C
触点额定 Contact Rating	10A 240VAC
最大切换电压 Max. Switching Voltage	240VAC/28VDC
最大切换电流 Max. Switching Current	10A
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	≤20ms/≤20ms
最小切换负载 Min. switching load	10mA 5V
电耐久性 Electrical Endurance	阻性负载 R-load, 1*10 ⁵ ops
机械耐久性 Mechanical Endurance	1*10 ⁷ ops.
最大切换功率 Max. Switching Power	2400VA/280W

线圈参数 Coil Data (直流 DC)

线圈电压范围 Coil Voltage Range	6~220 VDC
容许最大电压 Max. Continuous	额定电压的130% 130% of Rated Voltage
额定线圈功率 Coil Rating Power	约Approx. 0.9W

线圈参数 Coil Data (交流 AC)

线圈电压范围 Coil Voltage Range	6~380 VAC
容许最大电压 Max. Continuous	额定电压的120% 120% of Rated Voltage
额定线圈功率 Coil Rating Power	约Approx. 1.2VA (AC220V:0.94VA)

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		1000MΩ Min (at 500VDC)
介质耐压 Dielectric Strength	断开触点间 Between Open Contacts	1000Vrms 1min
	触点组间 Between Contact sets	1500Vrms 1min
	线圈与触点间 Between Coil and Contact	1500Vrms 1min
温度范围 Temperature Range		-40~+85°C
湿度 Ambient Operating Humidity		5% ~ 85%RH
振动 Vibration Resistance		频率 10Hz-55Hz, 双振幅 1mm 10Hz-55Hz, at double amplitude 1mm
冲击 Shock	稳定性 Functional	10G
	强度 Destructive	100G
重量 Weight		Approx.32g(2C)50g(3C) 65g(4C)

线圈规格 Coil Voltage Specifications (直流 DC)

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%)
6	4.5	0.60	40
12	9.0	1.20	160
24	18.0	2.40	640
48	36.0	4.80	2560
110	82.5	11.0	13400
220	165	22.0	53777

线圈规格 Coil Voltage Specifications (交流 AC)

额定电压 Nominal Coil	动作电压 Must Operate	释放电压 Release Coil	线圈电阻 Coil Resistance
VAC	VAC	VAC	Ω(±10%)
6	4.8	1.80	10.2
12	9.6	3.60	42.0
24	19.2	7.20	168
48	38.4	14.4	672
110	88.0	33.0	3529
220	176	66.0	18021
380	304	114.0	42116

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.

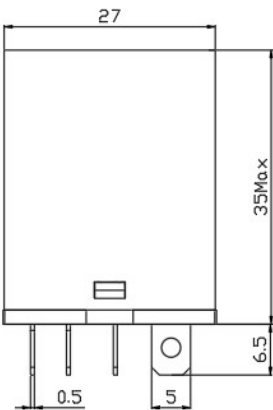
型号命名标准 Model Number Legend

	ST13	-10	-2C	-24D	L	F	,XXX
基本型号 Basic Type:	ST13						
触点负载 Contact Rating:	10: 10A						
触点结构 Contact Arrangement:	2C: 2组转换 2 Form C; 3C: 3组转换 3 Form C; 4C: 4组转换 4 Form C						
线圈电压 Coil Voltage:	12D: 6, 12, 24, 48, 110, 220VDC 24A: 6, 12, 24, 48, 110, 220, 380VAC						
指示功能 Indicative Feature:	Blank:不带灯 Without Lamp; L: 带灯 With Lamp; LB: 带灯带按钮 With Lamp and Test Button						
绝缘等级 insulation Class:	F: F级 Class F						
特殊特性 Special Characteristic:	P: PCB引脚 PCB Terminal; XXX: 客户特殊特性号 Customer Special Feature Number						

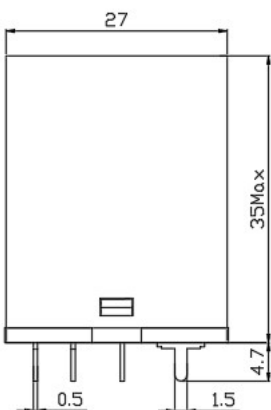
外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

外形尺寸 Outline Dimensions

2组Poles Socket



2组Poles PCB

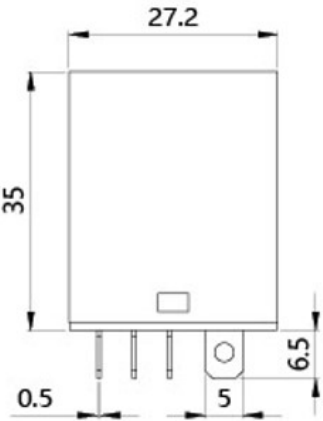


ST13 工业控制继电器 Industry Control Relay Relay

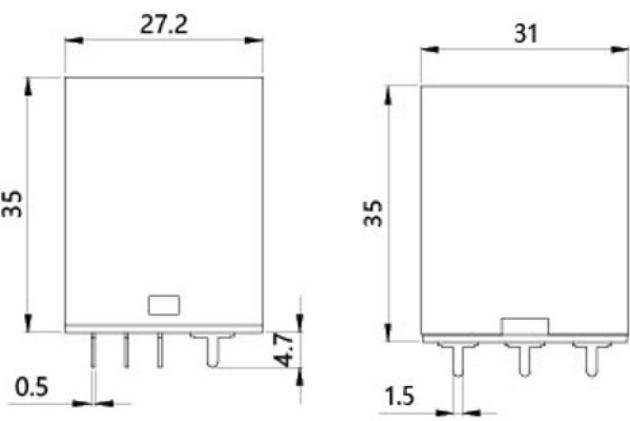
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外形尺寸 Outline Dimensions

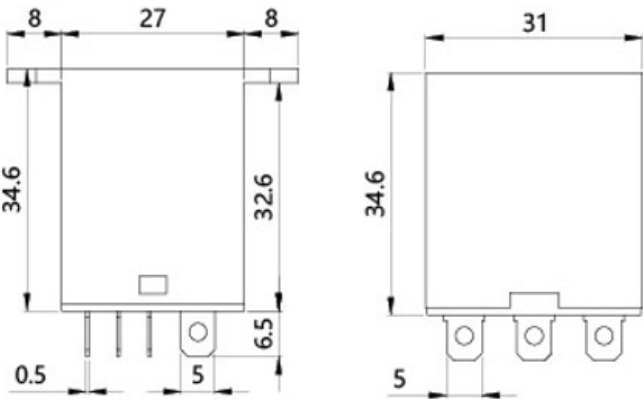
3组Poles Socket



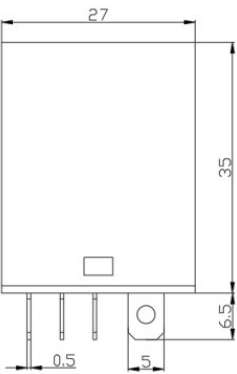
3组Poles PCB



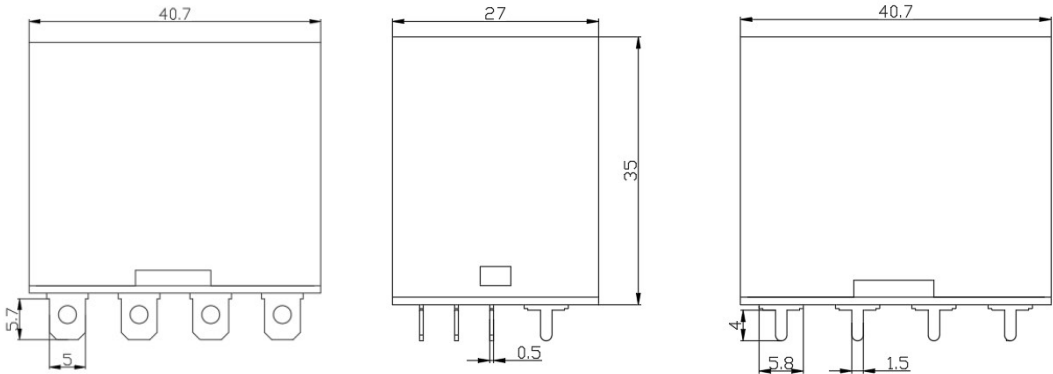
3组Poles Flange



4组Poles Socket



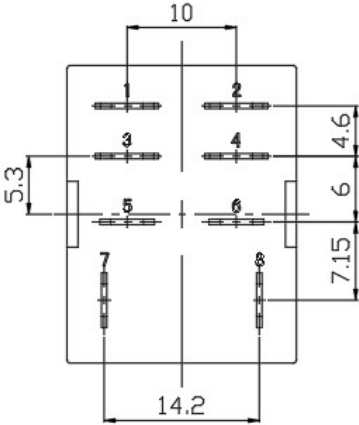
4组Poles PCB



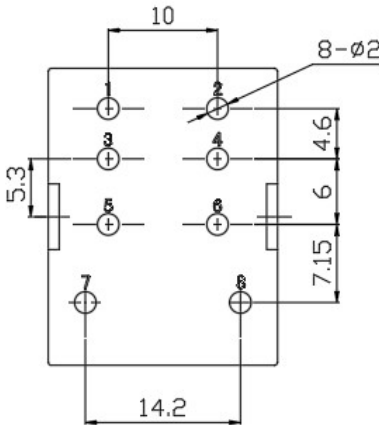
外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

安装孔尺寸（底视） Mounting instruction (Bottom view)

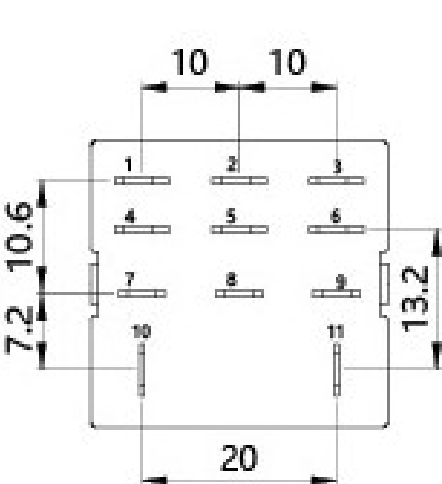
2组Poles Socket



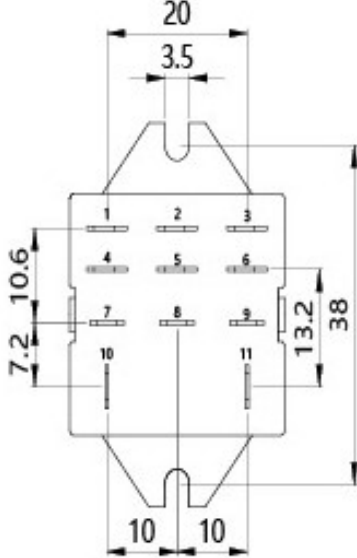
2组PCB



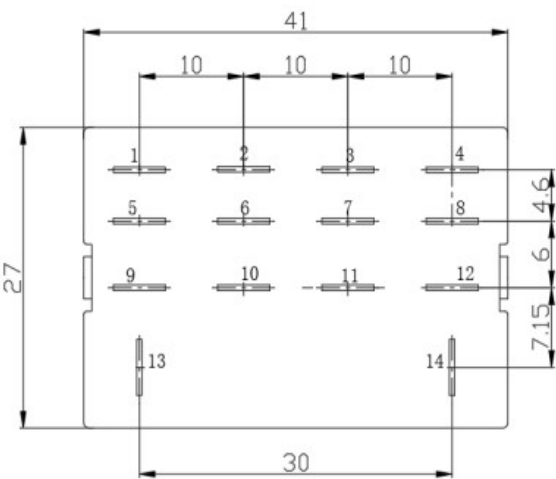
3组Poles Plug in



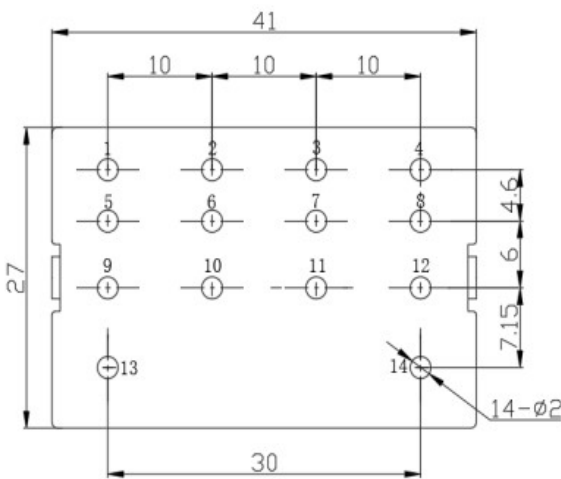
3组Poles Flange



4组Poles Plug in



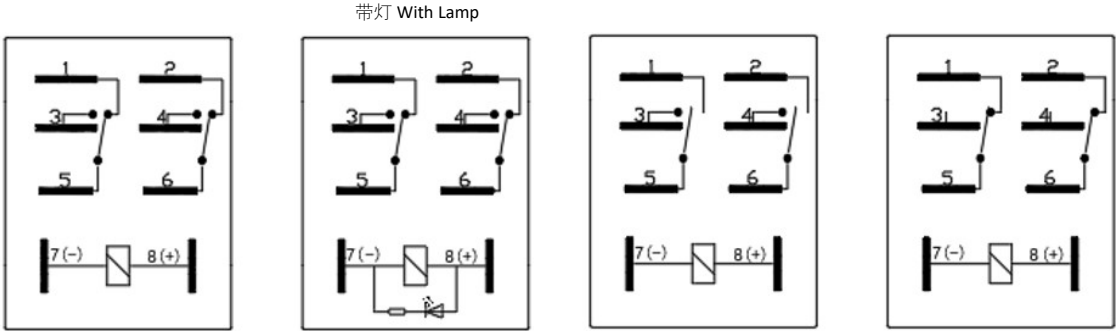
4组Poles PCB



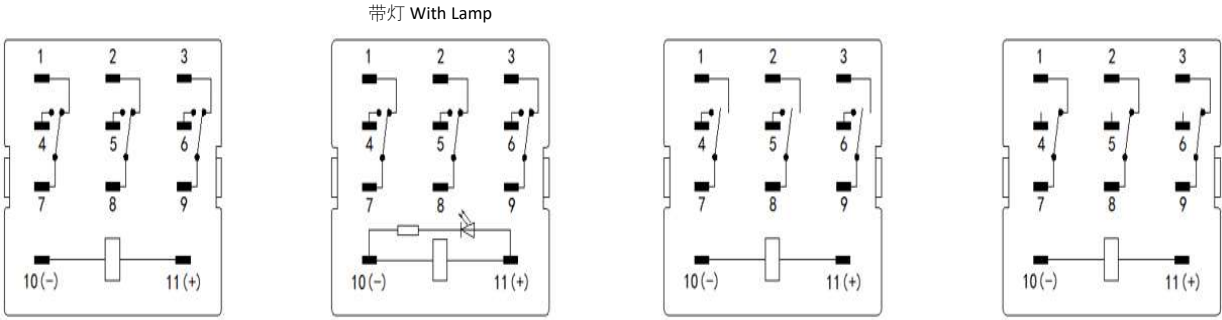
■ 外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

◆ 接线图 Wiring Diagram Bottom View

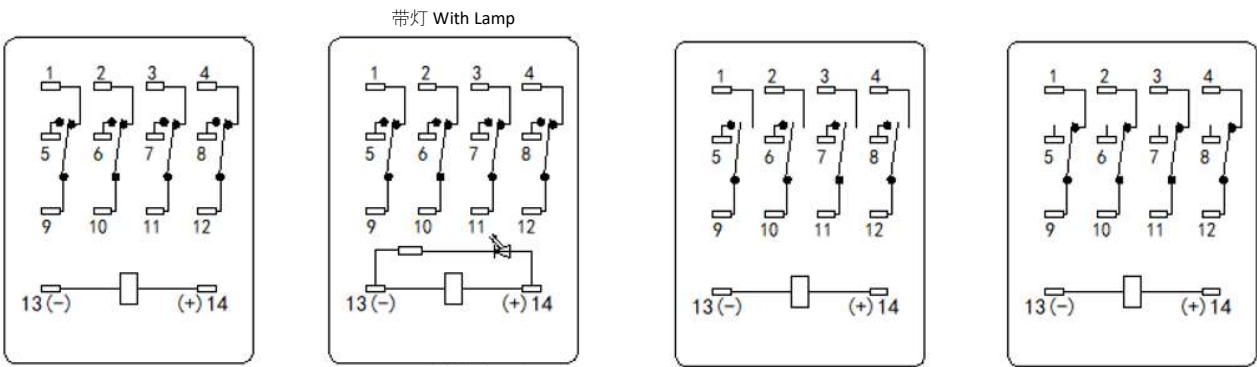
● 2组Poles



● 3组Poles



● 4组Poles



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。

Disclaimer:

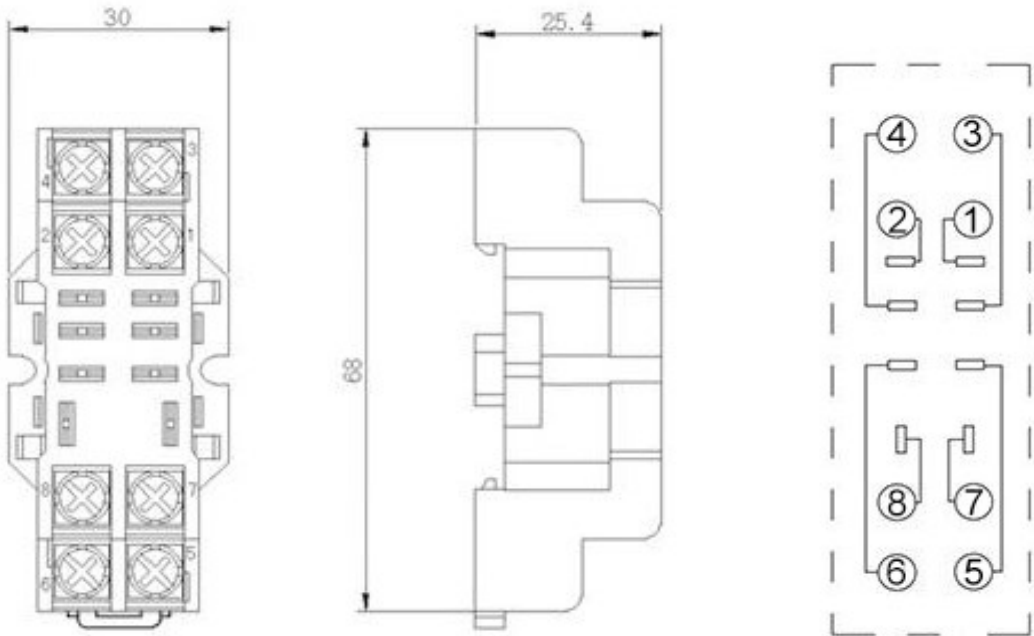
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插座命名标准 Socket Number Legend

	ST13	-08	A	,XXX
基本型号 Basic Type:	ST13			
插座型号 Socket Type:				
08: 2组转换型 2 Form C Type				
11: 3组转换型 3 Form C Type				
14: 4组转换型 4 Form C Type				
安装类别 Mounting Classes:				
A: 35mm 导轨 35mm DIN Rail				
特殊特性 Special Characteristic:				
Blank:标准型Standard; XXX: 客户特殊特性号 Customer Special Feature Number				

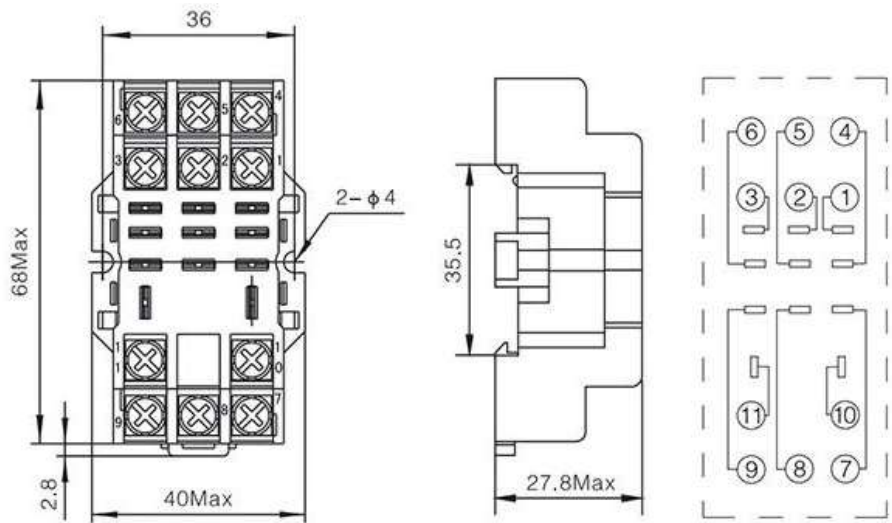
外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

- 08A

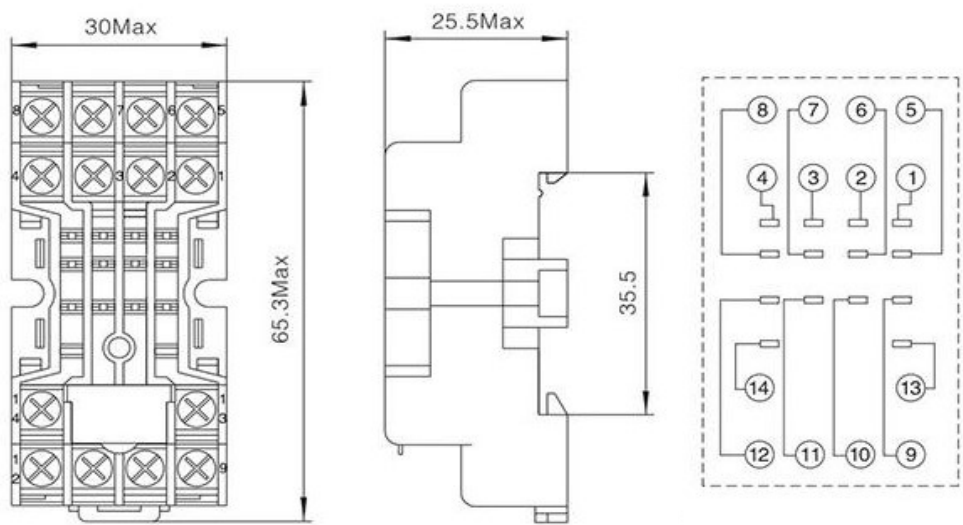


■ 外形尺寸、PCB 布局、接线图 Outline Dimensions, PCB Layout, Wiring Diagram (mm)

● 11A



● 14A



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