



JZX5/JZG6系列小型控制继电器 JZX5/JZG6 Range Small Type Control Relay

一、用途 APPLICATION

JZX5系列小型控制继电器和JZG6系列小型功率继电器，具有体积小、重量轻、可靠性高、通断容量大，寿命长等特点，适用于交流50Hz或60Hz电压至220V或直流电压110V的控制电路，供电子设备，通讯设备，电子计算机控制设备，工业自动化控制电路，作切换电路及扩大控制范围之用。产品符合GB/T14048.1、GB14048.5、JB/T3703.1标准。

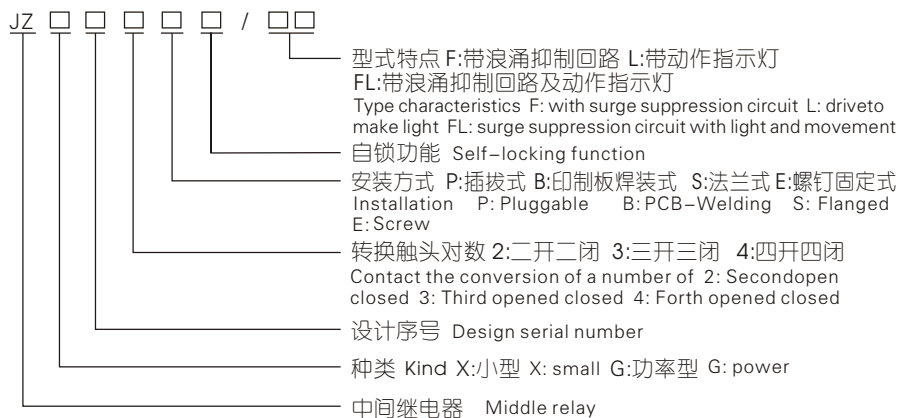
JZX5 range small type control relay and JZG6 range small type power relay, with small size, light weight, high reliability, on-off capacity, long life span and other features, adapt in AC 50Hz or 60Hz, voltage is up to 220V or DC 110V of control circuit, for switching circuit and expanding control area of electronic equipment、communications equipment、computer-controlled equipment, industrial automation control circuit. The products comply with the demands of the following standards:GB/T14048.1、GB14048.5、JB/T3703.1

二、特点 FEATURE

- △ 体积小、重量轻； Small size、light weight;
- △ 规格品种齐全，除基型产品外，有带浪涌抑制回路型，带动作指示灯型；
Complete types, in addition to base products, with surge-suppression circuit and the light-driven;
- △ 采用电性能优良的触点材料和合理的结构设计，提高了触点开闭容量，最大工作电流3-10A；
Using excellent contact material and reasonable structural design, enhanced contact switching capacity, maximum operating current 3-10A;
- △ 安装方式有插拔式、印制板焊装式、法兰式、螺钉固定式等，用户可任意选择；
Installation way: plug way、print-welding way、flange type、fixed by screw way and so on, the user can freely choose;
- △ 采用合理的设计，先进的工艺、优质的材料，保证了接触可靠和较长的使用寿命，并消除了交流噪音。

Use reasonable design、advanced technology、excellent materials, ensuring reliably contact and longer life span, and eliminate exchange noise.

三、型号含义 TYPE AND MEANS



四、正常工作条件与安装方式 NORMAL WORKING CONDITION AND INSTALLATION WAY

- △ 安装地点的海拔高度不超过2000m; elevation $\leq 2000\text{m}$
- △ 安装地点的空气相对湿度在周围空气温度为+40°C时不超过50%;在较低的温度下可以允许有较高的相对湿度,最湿月的月平均最低温度不超过+25°C,同时该月的月平均最大相对湿度不超过90%,由温度变化发生在产品上的凝露必须采取措施;
Not exceeding 50% at the maximum ambient temperature +40°C. With lower temperature, higher humidity would be permitted, such as, humidity up to 90% at the ambient temperature 20°C. Should give consideration to the dews on the goods surface, which would appear due to temperature change;
- △ 插座安装方式有:螺钉式、导轨式、焊接式、印制版焊装式。
Plug installation way: by screw、rail track way、welding way、print-welding installation way.

五、规格品种 CHARACTER TYPE

型式 type	继电器型号 relay type				约定发热电流 Conventional thermal current	额定电压Ue Rated voltage
	插拔式 Plug way	印制版焊装式 print-welding way	法兰式 Flange type	螺钉固定式 fixed by screw way		
基型 base type	JZX52P	JZX52B	JZX52S	JZX52E	5A	AC: 6、12、 24、48、 110、220V (50Hz) 6、12、24、 48、110V (60Hz) DC: 6、12、 24、48、 110V
	JZX53P	JZX53B	JZX53S	JZX53E	5A	
	JZX54P	JZX54B	JZX54S	JZX54E	3A	
	JZG62P	JZG62B	JZG62S	JZG62E	10A	
	JZG63P	JZG63B	JZG63S	JZG63E	10A	
	JZG64P	JZG64B	JZG64S	JZG64E	10A	
带浪涌抑制回路 surge-suppression circuit	JZX52P/F	JZX52B/F	JZX52S/F	JZX52E/F	5A	
	JZX53P/F	JZX53B/F	JZX53S/F	JZX53E/F	5A	
	JZX54P/F	JZX54B/F	JZX54S/F	JZX54E/F	3A	
	JZG62P/F	JZG62B/F	JZG62S/F	JZG62E/F	10A	
	JZG63P/F	JZG63B/F	JZG63S/F	JZG63E/F	10A	
带动作指示灯 Light driven	JZX52P/L	JZX52B/L	JZX52S/L	JZX52E/L	5A	
	JZX53P/L	JZX53B/L	JZX53S/L	JZX53E/L	5A	
	JZX54P/L	JZX54B/L	JZX54S/L	JZX54E/L	3A	
	JZG62P/L	JZG62B/L	JZG62S/L	JZG62E/L	10A	
	JZG63P/L	JZG63B/L	JZG63S/L	JZG63E/L	10A	
	JZG64P/L	JZG64B/L	JZG64S/L	JZG64E/L	10A	
带浪涌抑制回路 及动作指示灯 surge-suppression circuit and the light driven	JZX52P/FL	JZX52B/FL	JZX52S/FL	JZX52E/FL	5A	
	JZX53P/FL	JZX53B/FL	JZX53S/FL	JZX53E/FL	5A	
	JZX54P/FL	JZX54B/FL	JZX54S/FL	JZX54E/FL	3A	
	JZG62P/FL	JZG62B/FL	JZG62S/FL	JZG62E/FL	10A	
	JZG63P/FL	JZG63B/FL	JZG63S/FL	JZG63E/FL	10A	
带自锁及动作 指示灯型 Self-locking function and the light driven	JZX52PS/L				10A	
	JZX54PS/L				5A	
带自锁及浪涌抑制回路 和带动作指示灯型 Self-locking function surge -suppression circuit and the light driven	JZX52PS/FL				10A	
	JZX54PS/FL				5A	

六、主要技术参数 MAIN TECHNICAL PARAMETERS

型号 type	JZX52、JZX53、JZX54 JZX52PS、JZX54PS	JZG62	JZG63	JZG64	
吸合电压 Pull-in voltage	AC≤80%Us、DC≤75%Us				
释放电压 Release voltage	AC≥30%Us、DC≥10%Us				
最大连续工作电压 Maximum continue work voltage	110% Us				
线圈功率 coil power	AC≤1.2VA DC≤0.9W		AC≤ 2VA DC≤1.5W	AC≤2.5VA DC≤1.6W	
动作时间act time	≤20ms				
释放时间 release time	≤20ms				
额定绝缘电压 Rated insulation voltage	AC: 250V、DC: 125V				
额定工作电压 rated working voltage	AC: 220V、DC: 110V				
接触电阻 Contact resistant	≤50mΩ				
绝缘电阻 Insulation resistant	≥100MΩ (500VDC)				
工频耐压 Work frequency load voltage	同组触点间 Between the same team touch: AC1000V, 50Hz/1min, 漏电流 Leakage of current 1mA 电气回路间 Between the electric return circuit: AC1500V, 50Hz/1min, 漏电流 Leakage of current 1mA 线圈触点间 Between the coil touch: AC1500V, 50Hz/1min, 漏电流 Leakage of current 1mA				
操作频率 Operate frequency	1800次/小时 1800sequence/h				
机械寿命 Machine life span	1000×10 ⁴ 次 1000×10 ⁴ sequence				
电寿命 Electric life span	10×10 ⁴ 次 10×10 ⁴ sequence				
环境温度 Environment temperature	-25℃ ~ +55℃				
引出端形式 Lead to end of shap	插拔式 Pluggable 焊接式 Welding				
产品重量weight	JZX52P	30g	40g	50g	60g
	JZX53P	35g			
	JZX54P	40g			
	JZX52PS	40g			
	JZX54PS	50g			

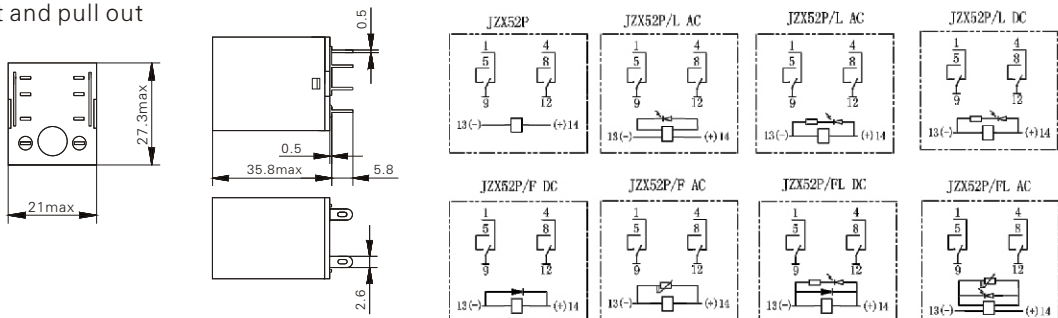
七、触点控制容量 CONTACT CONTROL CAPACITY

型号 type	JZX52、JZX53、JZX54PS	JZX54	JZG62、JZG63、JZG64、JZX52PS
额定控制容量 Rated control capacity	AC-12 220V 5A AC-15 220V 1A DC-12 110V 0.5A DC-13 110V 0.2A	AC-12 220V 3A AC-15 220V 0.3A DC-12 110V 0.5A DC-13 110V 0.2A	AC-12 220V 10A AC-15 220V 3A DC-12 110V 0.6A DC-13 110V 0.3A

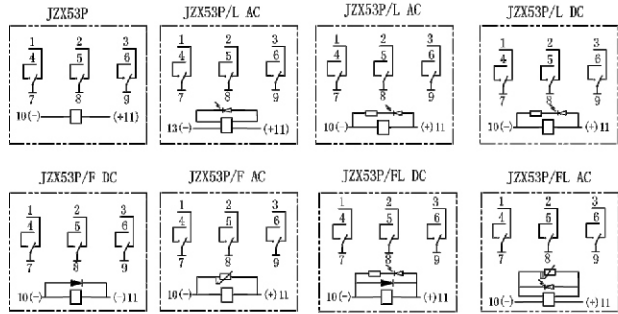
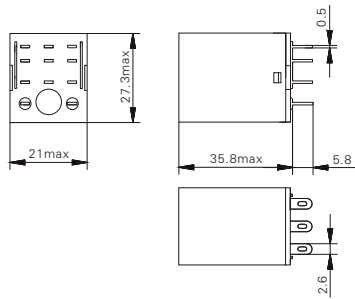
八、外形尺寸及安装尺寸 OUTLINE AND MOUNTING DIMENSIONS

■ 插拔式 Insert and pull out

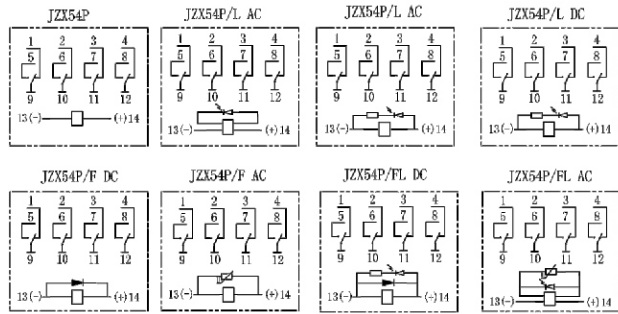
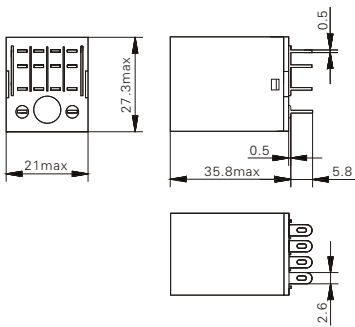
△ JZX52P



△ JZX53P

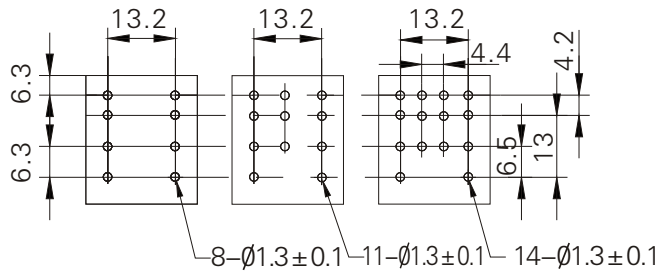
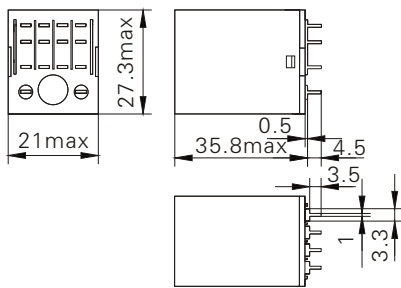


△ JZX54P



■ 印制板焊装式 Print and solder

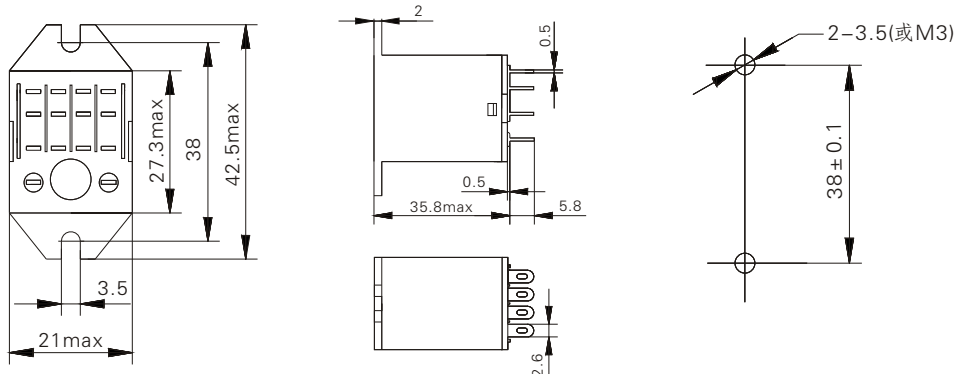
△ JZX52B JZX53B JZX54B



(接线图与插拔式相同) The same as wiring picture together with the type of insert and pull out

■ 法兰式 Flanged

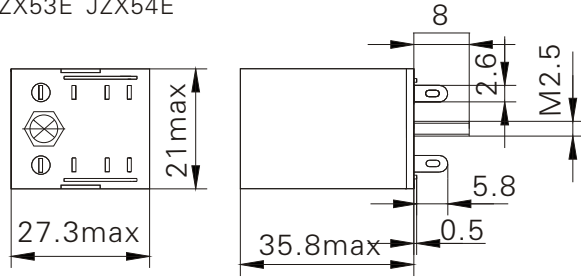
△ JZX52S JZX53S JZX54S



(接线图与插拔式相同) The same as wiring picture together with the type of insert and pull out

■ 螺钉固定式 Screw and regular

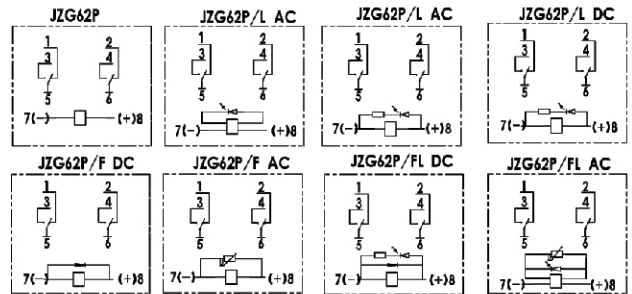
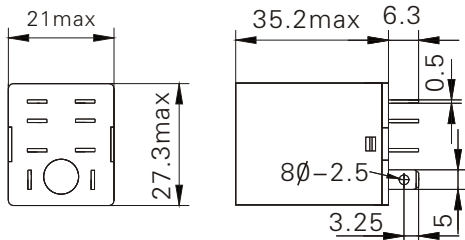
△ JZX52E JZX53E JZX54E



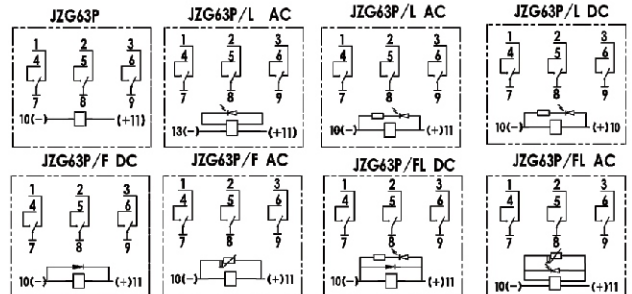
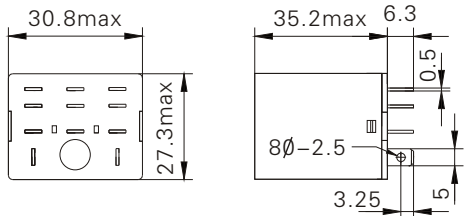
(接线图与插拔式相同) The same as wiring picture together with the type of insert and pull out

■ 插拔式 Insert and pull out

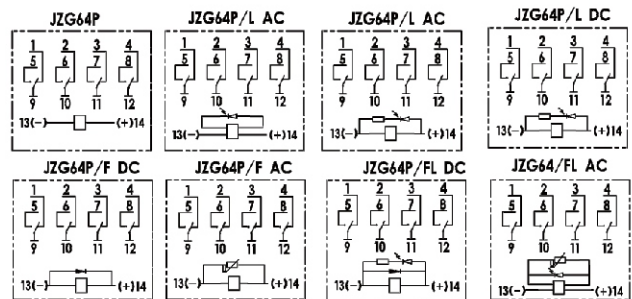
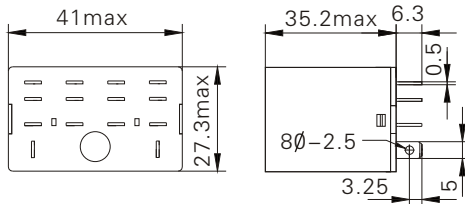
△ JZG62P



△ JZG63P

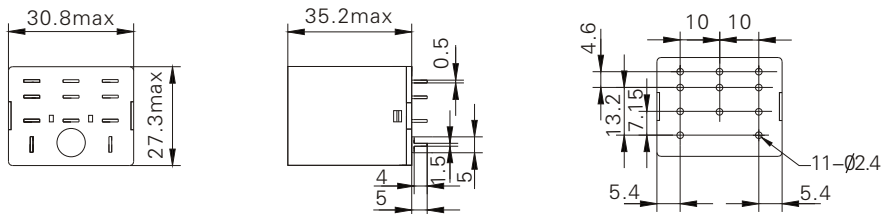


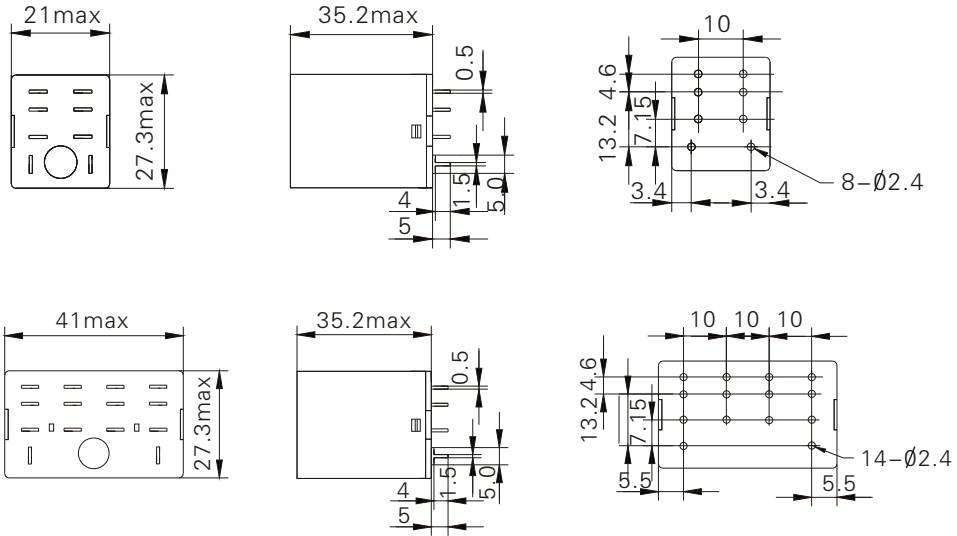
△ JZG64P



■ 印制板焊装式 Print and solder

△ JZG62B JZG63B JZG64B (接线图与插拔式相同)

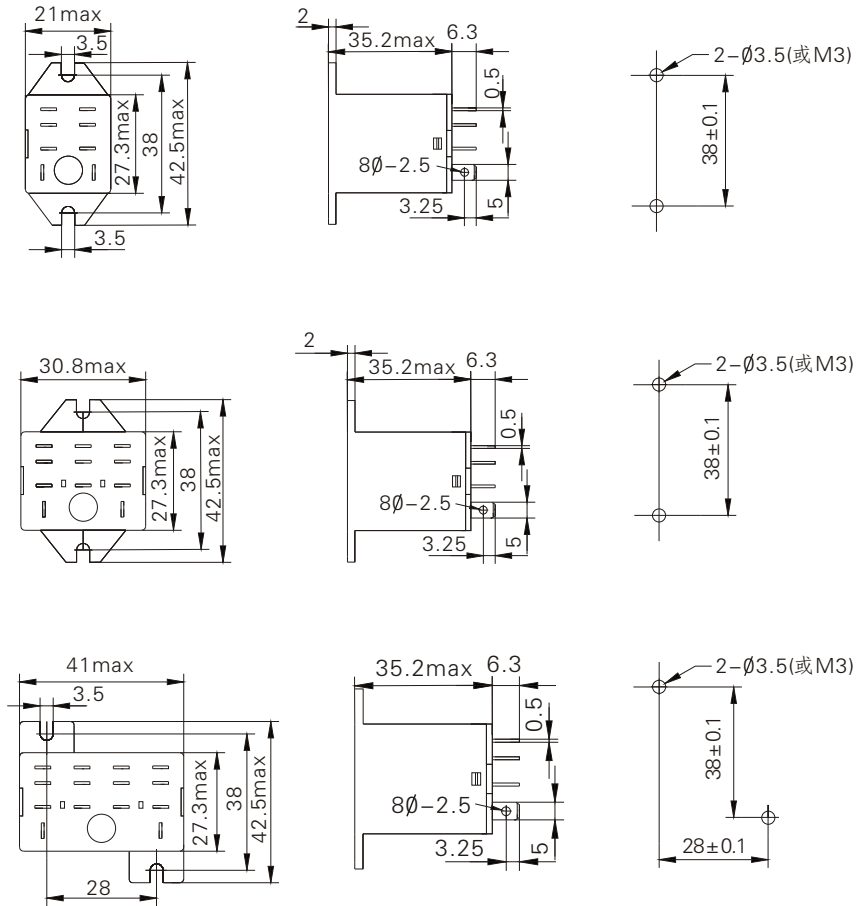




(接线图与插拔式相同) The same as wiring picture together with the type of insert and pull out

■ 法兰式 Flanged

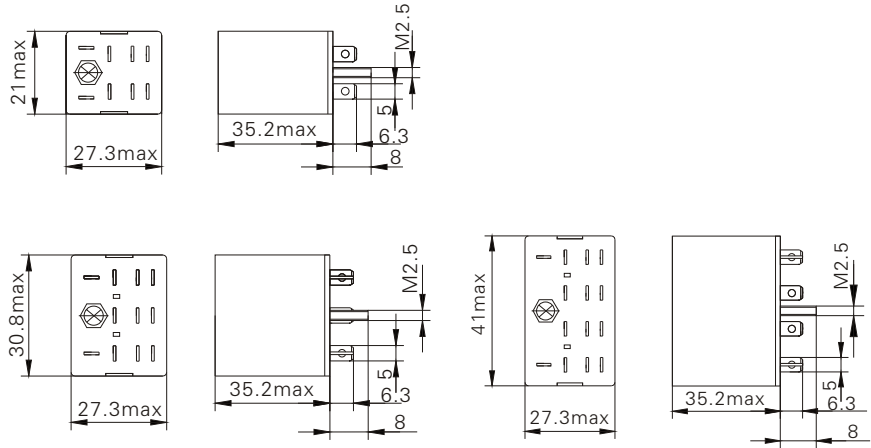
△ JZG62S JZG63S JZG64S



(接线图与插拔式相同) The same as wiring picture together with the type of insert and pull out

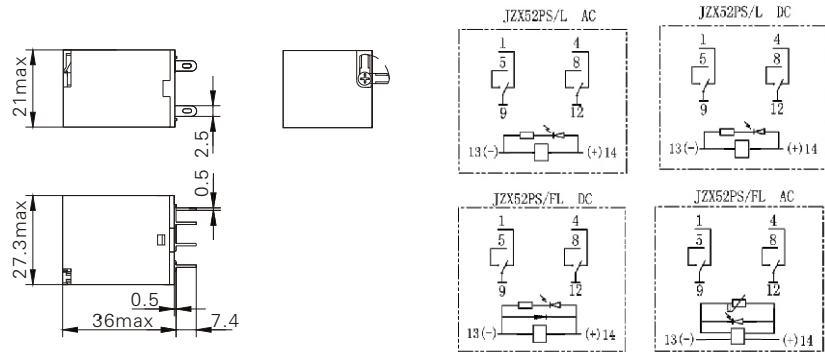
■ 螺钉固定式 Screw and regular

△ JZG62E JZG63E JZG64E (接线图与插拔式相同)

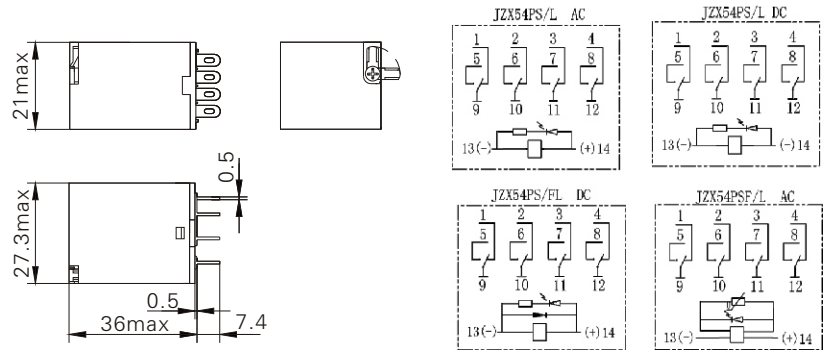


■ 带自锁插拔式 Insert and pull out with automatic of lock

△ JZX52PS



△ JZX54PS



九、安装插座 INSTALLATION PLUG

适用继电器 Adapt relay	插座型号 Plug type		适用继电器 Adapt relay	插座型号 Plug type
	螺钉式 导轨式 Screw and rail track	面板式 surface plate		印制板焊接式 Print board welding
JZX52P	PYF08A-E	TP58	JZX52B	TP58B
JZX53P	PYF11A	TP511	JZX53B	TP511B
JZX54P	PYF14A-E	TP514	JZX54B	TP514B
JZG62P	PTF08A-E	TP68	JZG62B	TP68B
JZG63P	PTF11A	TP611	JZG63B	TP611B
JZG64P	PTF14A	TP614	JZG64B	TP614B
JZX52PS	PYF08B-E			
JZX54PS	PYF14B-E			

注(NOTE): E为防护式 The type of E is shelter type

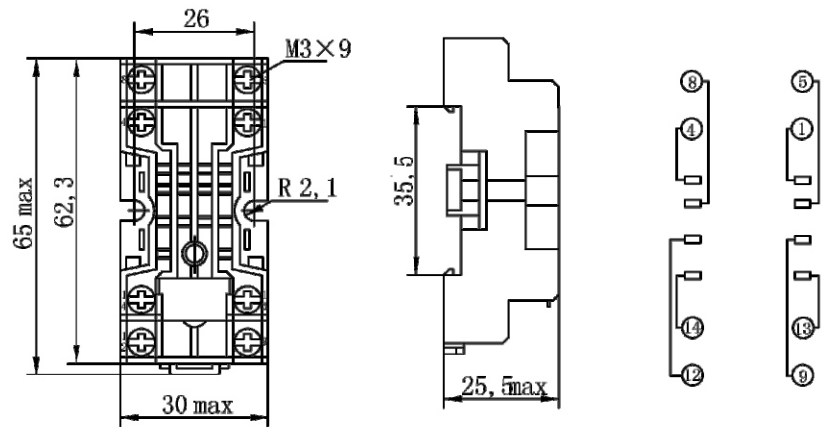
十、插座主要技术参数 MAIN TECHNOLOGY PARAMETER OF SOCKET

内容 Content		型号 Type	单位 units	PYF A		PTF A		Tp5		Tp6		PYF B	
额定 负载 rated load	电流 current	A	A	PYF08A	10	PTF08A	10	TP58	12	TP68	16	PYF08B	12
				PYF11A	7	PTF11A	10	TP511	10	TP611	16		
	PYF14A			7	PTF14A	10	TP514	10	TP614	16	PYF14B	10	
	电压 voltage	V		300									
工频耐压 frequency voltage	V/S	V/S	V/S	线圈触点间 coil contact 1500								2500	
				电气回路间 the loop of electrical 1500								2500	
				同组触点间 the same team of contacts 1000								2000	
螺钉扭矩 bolt torques	Nm			1.0		---		---		1.0			
外连接导线 wire connections	AWG /mm ²			20-14/0.5-2.5		---		---		---		20-14/0.5-2.5	
使用环境 use environment	℃			-40 ~ +65		-40 ~ +85		-40 ~ +85					
重量 weight	g	g	g	PYF08A	30	PTF08A	40	TP58	7	TP68	8	PYF08B	50
				PYF11A	32	PTF11A	58	TP511	8	TP611	12		
				PYF14A	38	PTF14A	76	TP514	9	TP614	15	PYF14B	56
附件 annex				PYFA卡子 clip		PTFA卡子 clip		Tp5卡子 clip		Tp6卡子 clip		扳扣 pull clasp	
												标记牌 mark brand	

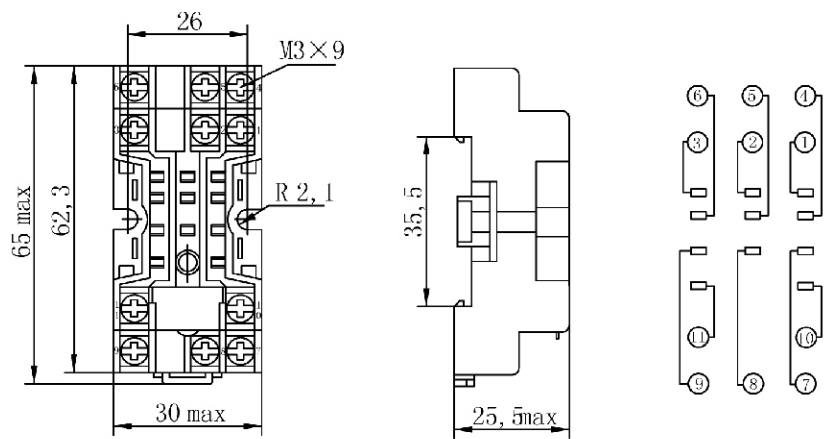
十一、插座外形尺寸安装尺寸 PLUG OUTLINE AND INSTALLATION DIMENSIONS

■ 螺钉式导轨式 Screw RailTrack

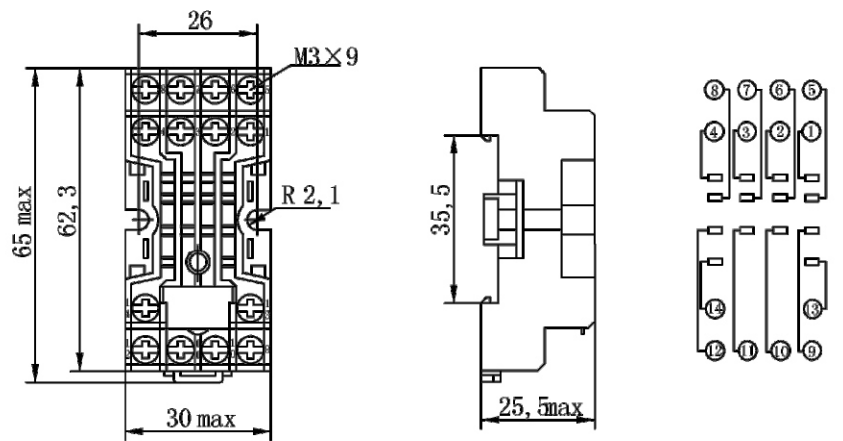
△ PYF08A-E



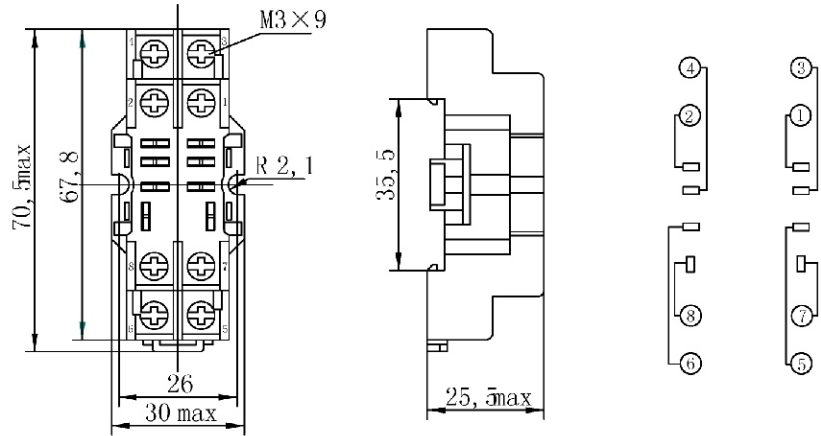
△ PYF11A



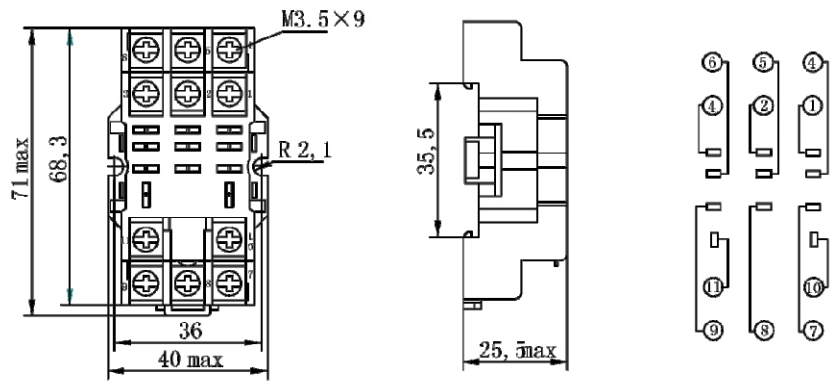
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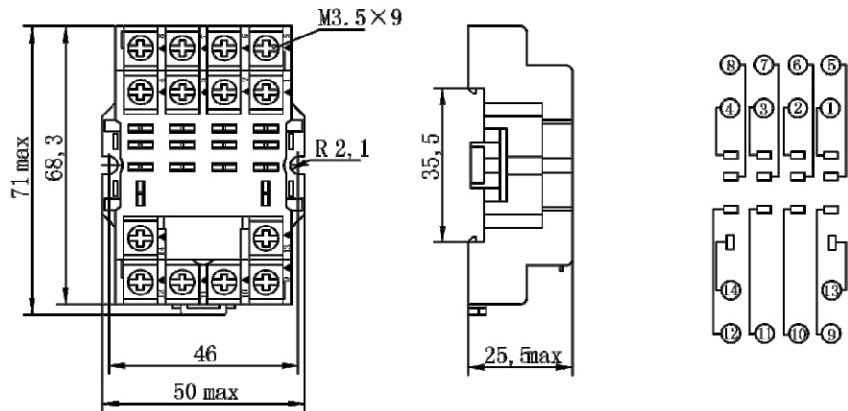
△ PTF08A-E



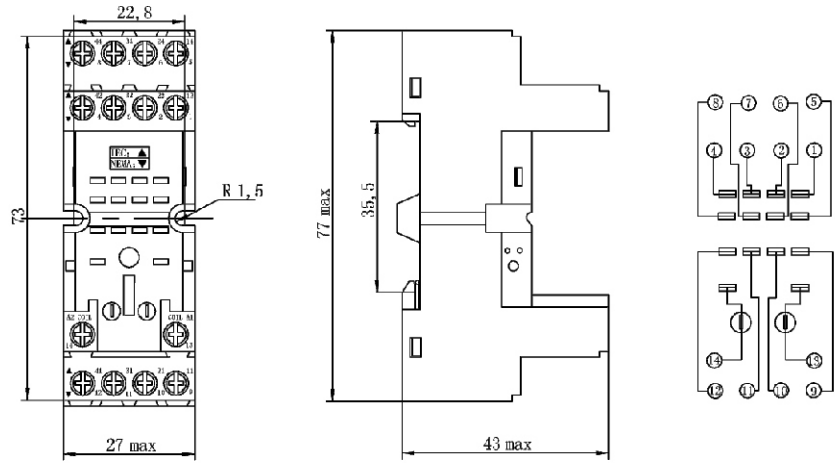
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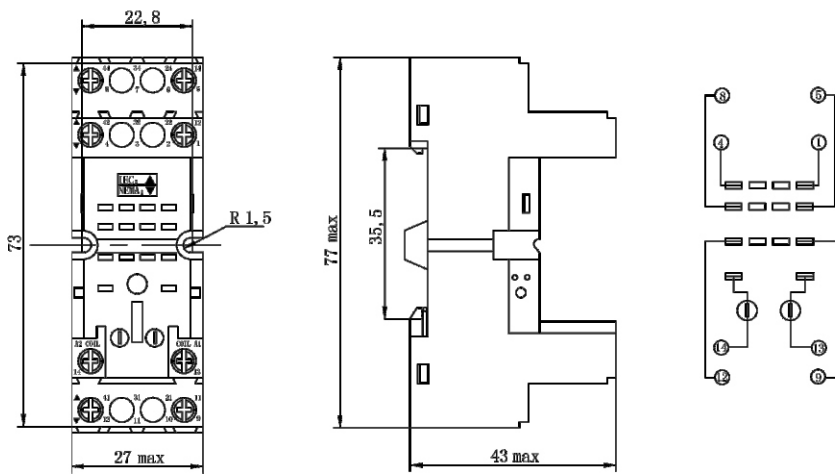
△ PTF14A



△ PYF08B-E

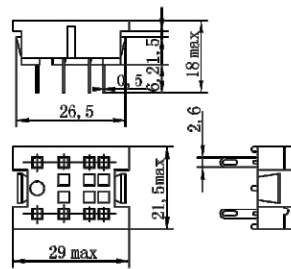


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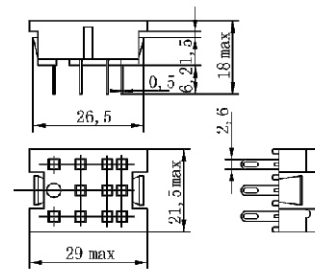


■ 面板式 Surface plate (面板厚1~1.5mm The thick of surface plate)

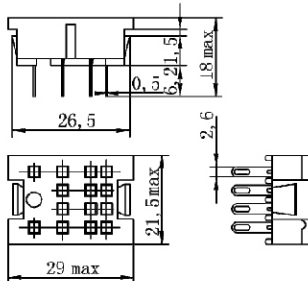
△ TP58



△ TP511

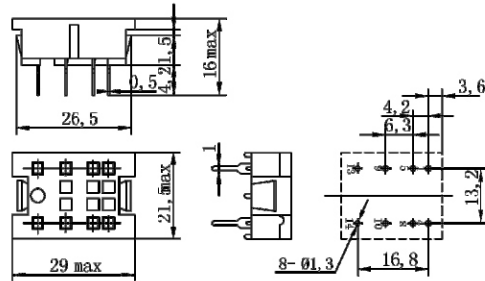


△ TP514

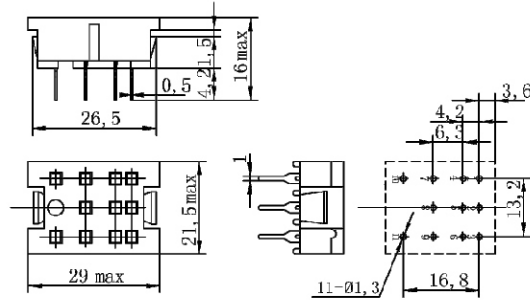


■ 印制板焊装式 Print and solder

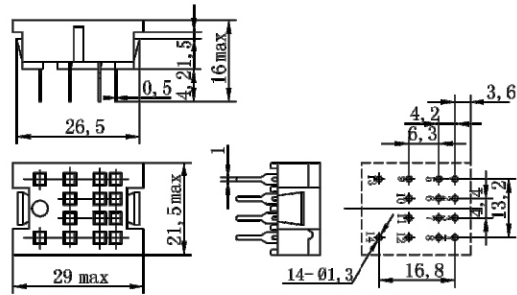
△ TP58B



△ TP511B

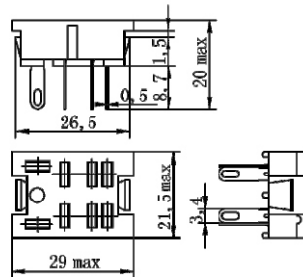


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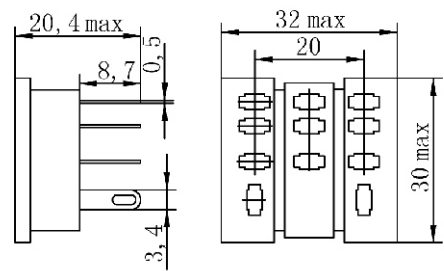


■ 面板式 Surface plate (面板厚1~1.5mm The thick of surface plate)

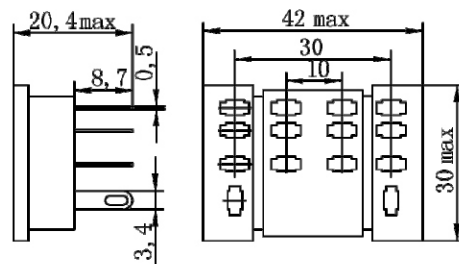
△ TP68



△ TP611

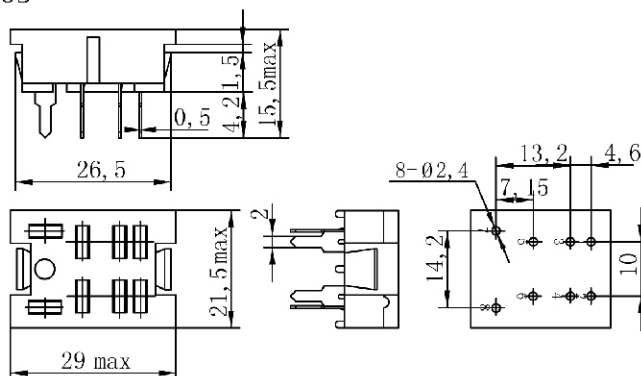


△ TP614

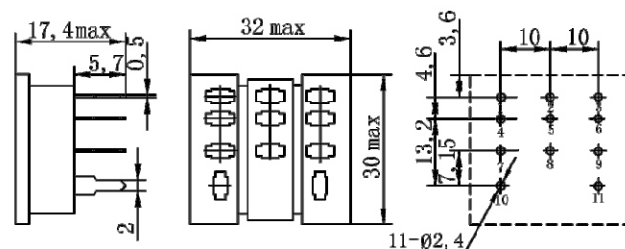


■ 印制板焊装式 Print and solder

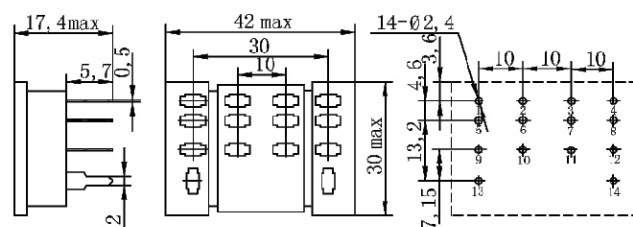
△ TP68B



△ TP611B



△ TP614B



十二、订货须知 ORDER NOTICE

■ 在订货时应注明下列事项： In order need attention following

△ 继电器的全型号及名称； Entitle type of contactor

△ 控制线圈的频率及电压； Frequency and voltage control coil

△ 安装插座的型式及型号； Installation plug type

△ 订购数量。 Order volume

例如：JZX52P/F 带浪涌抑制回路，插拔式继电器AC50Hz 220V 100台

Example: JZX52P/F with surge suppression circuit, plug relay, AC50Hz 220V 100 sets

JZG62P/L带动作指示灯插拔式继电器DC48V 100台

JZG62P/L with action direct light plug relay, DC48V 100 sets

PYF08A导轨式插座 100只 PYF08A rail track way plug, 100 sets

△ 特殊产品规格需特殊订货生产

Other products of standards need special order production