H

计数器系列
COUNTER SERIES

LD48J 系列 Series

主要功能概述 General

（1）对输入信号（NPN结点信号、触点信号）进行计数。
（2）可选用停电记忆功能，停电数据保持时间不少于10年（EEPROM）。
（3）上数（加计数）或下数（减计数）面板拨码选择，三种计数倍率，计数范围宽达1~999900。
（4）4位拨码预置、1位拨码设定计数倍率，高亮LED显示计数值，字高0.36英寸。
（5）输入信号采用光电耦合隔离，提高抗干扰能力。
（6）DIN （48mm x 48mm）标准面板尺寸，标准8针接口，可方便地与底座配套使用。
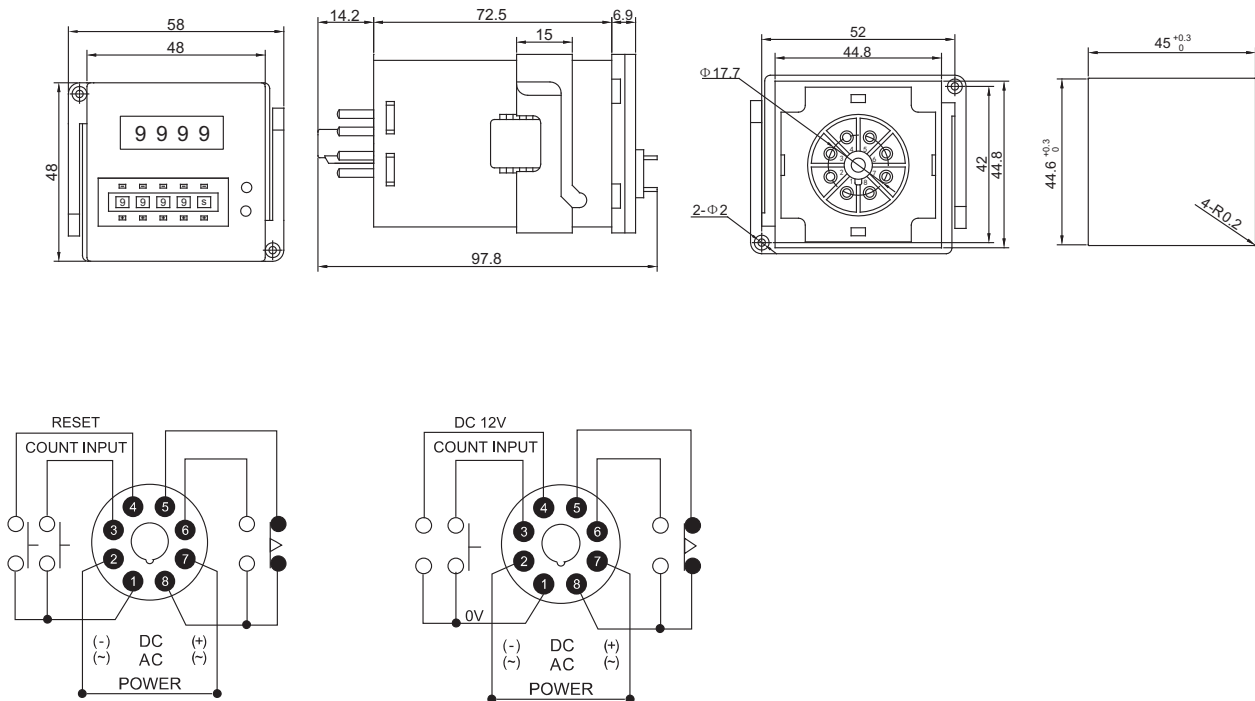
(1) Counting the input signal (NPN knot signal, contact signal).
(2) Battery backup function can be chosen.Data keep time after power cut should not less than 10 years (EEPROM).
(3) Up digit (plus counting) or low digit (minus countring) panel dial code for selection. Three kinds of counting multiplying factor the counting range highly up to 1-999900.
(4) 4 bits dial code preset, 1 bit dial code to set counting multiplying factor, LED with high bright displays counting value and the digit height is 0.36 inch.
(5) lnput signal adopts photoelectric coupling isolation to increase the anti-interference capability.
(6) DIN(48mm x 48mm) standard panel dimension, with standard 8-pin interface,and is converient to use with matchable base.

技术参数 Technical parameters

类别 Class	多段式预置型计数器 Multiplex type preset counter		
型号 Type	LD48J	LD48J-P	LD48J-G
特别功能 Special function	1+3计数、1+4复位 1+3 counting, 1+4 reset	1+3计数、1+4 DC12V 输出 1+3 counting, 1+4 DC12V output	1+3计数、1+4 暂停 1+3 counting, 1+4 pause
额定工作电压 Rated woriking power	85~265VAC/DC自由输入，其他工作电压可定制 85~265VAC/DC input free, other working voltage upon request		
消耗功率 Power consumption	小于4.5VA Less than 4.5VA		
计数倍率 Counting multiplying factor	×1、×10、×100、$\underline{\times}$1、$\underline{\times}$10、$\underline{\times}$100（1为个输入信号计数加1，10为10个输入信号计数加1，100为100个输入信号计数加1，X为加速模式，$\underline{X}$为减速模式） ×1、×10、×100、$\underline{\times}$1、$\underline{\times}$10、$\underline{\times}$100（1denotes to count and plus 1 for 1 input signal, 10 denotes to count and plus 1 for 10 input signals ,100 denotes to count and plus 1 for 100 input signals, x denotes posifive mode $\underline{x}$ denotes in verse mode)		
计数范围 Counting range	1-999900，4位拨码预置，1位计数倍率设定 1-999900, 4 bits dial code preset, 1 bit countingmultiplying factor set		
计数速率 Counting speed	小于60CPS Less than 60CPS		
计数信号输入 Counting signal input	二种信号输入方式任意选择其1：NPN结点信号（发射极接公共端）、触点信号。NPN和触点短路（ON）阻抗小于3kΩ，开放（OFF）阻抗大于200kΩ，信号光耦隔离 Choose any in the two signal input modes :NPN knot signal (emitter connects to common terminal) and contact signal. NPN and contact short circuit (ON)impedance less than 3kΩ，and open circuit (OFF) impedance exceed 200kΩ. Signal photoelectric coupling is isolated.		

显示方式 Display mode	4位高亮数码管显示当前计数值，字高0.36英寸，内部继电器分断时有指示灯指示 4 bits digital tube with high bright displays counting value in real time, charater height is 0.36 inch. Indicator light shows when inside relay breaks off		
继电器容量 Relay capacity	阻形负载：5A/250VAC或5A/28VDC最大 Impedance load:Max 5A/250VAC or 5A/28VDC		
停电记忆功能 Power cut memory function	可选择使用，型号分别为（LD48JE、LD48JE-P、LD48JE-G） LD48JE、LD48JE-P、LD48JE-G for options		
复位方式及宽度 Reset mode and width	面板复位、底座复位、上电复位 复位信号不少于0.02Sec Reset signal of panel reset, base reset and powr on re-set not less than 0.02Sec	面板复位、上电复位复位信号不 少于0.02Sec Reset signal of panel reset, and power on reset not less than 0.02Sec	面板复位、上电复位复位信号不 少于0.02Sec Reset signal of panel reset, and power on reset not less than 0.02Sec
电源输出 Power output	无 W/O	DC12V、20mA最大 Max DC12V,20mA	无 W/O
使用寿命 Scrvice life	机械寿命：5百万次，电气寿命：1百万次 Mechanical life:5x10^{6}times,electric life:1x10^{6}times		
使用环境 Operating environment	环境温度：-10~+55℃（不结冰），湿度35~85%RH Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH		
抗干扰能力 Noisy immunity	AC2kV(操作电端子间)或DC±500V，脉冲宽度1uS扰动下继电器正常工作 AC2kV(between operating power terminals)or DC±500V,time accumulator works normally under sisturbance of 1uS impulse width		
重量 Weight	约121克About 121g		
安装方式 Installation mode	面板嵌入式，采用接线端子方式接线 Panel built-in type, adopts the connection of connecting terminal mode		

外形、接线图及开孔尺寸 Outline,connecting diagram, and tapping size

LD72J 系列 Series

主要功能概述 General

（1）对输入信号（NPN结点信号、触点信号）进行计数，停电数据保持时间不少于10年（EEPROM）。
（2）上数（加计数）或下数（减计数）面板拨码选择，三种计数倍率，计数范围宽达1~999900。
（3）4位拨码预置、1位拨码设定计数倍率，高亮LED显示计数值，字高0.56英寸。数字醒目。
（4）DC12V、20mA供电输出，直接连接光电、接近开关等传感器使用。
（5）输入信号采用光电耦合隔离，提高抗干扰能力。
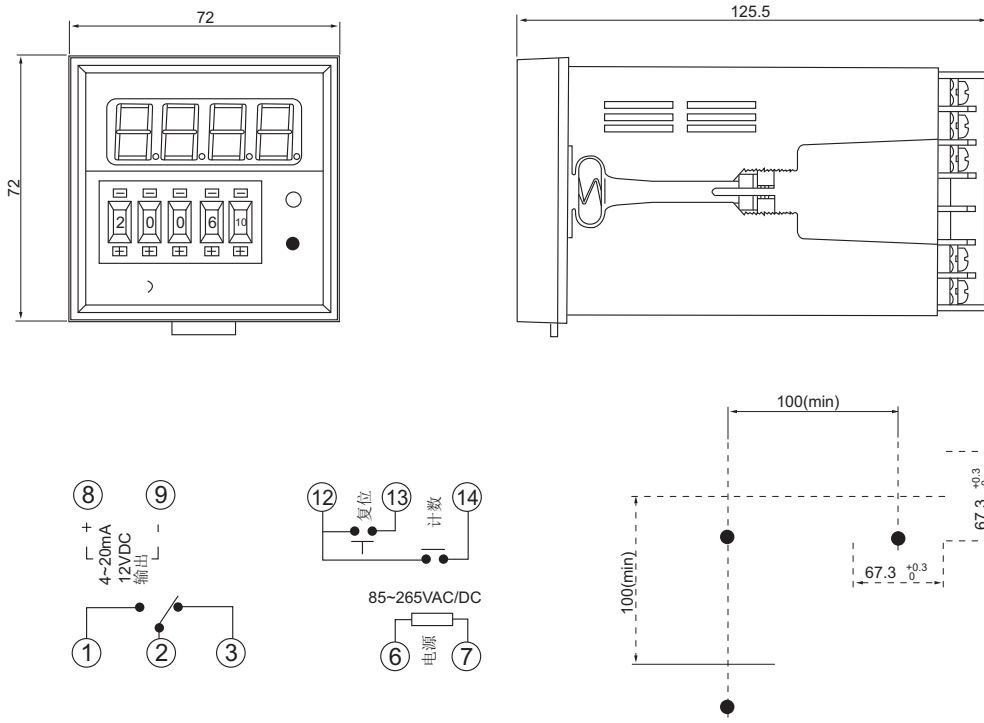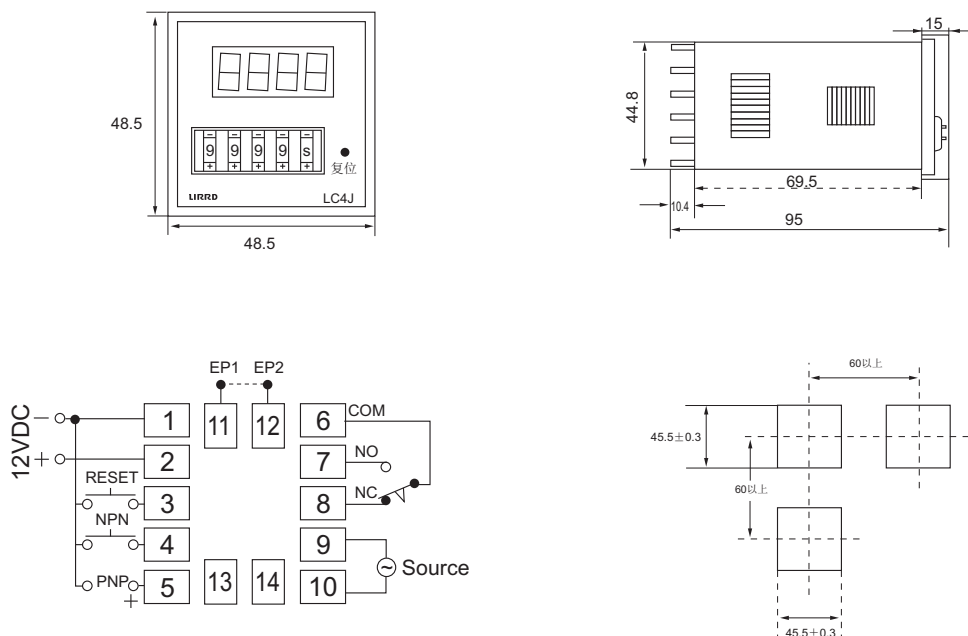（6）DIN （72mm x 72mm）标准面板尺寸，无需另配底座的接线端子接线方式，方便与其他设备配套使用。

(1) Counting the input signal (NPN knot signal, contact signal), Data keep time after power cut should not less than 10 years (EEPROM).
(2) Up digit (plus counting) or low digit (minus countring) panel dial code for selection. Three kinds of counting multiplying factor the counting range highly up to 1-999900.
(3) 4 bits dial code preset, 1 bit dial code to set counting multiplying factor, LED with high bright displays counting value and the digit height is 0.56 inch. The digit is striking.
(4) DC12V, 20mA power supply output, it can be used for directly connected to sensors such as photoswitch and proximity seitch.
(5) lnput signal adopts photoelectric coupling isolation to increase the anti-interference capability.
(6) DIN(72mm x 72mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is convenient to use with matchable equipments.
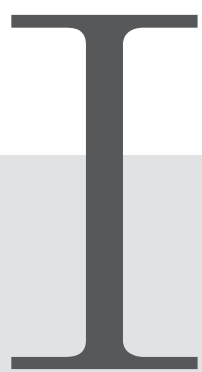
技术参数 Technical parameters

类别 Class	多段式预置型计数器 Multiplex type preset counter	
型号 Type	LD72J	LD72JE
额定工作电压 Rated woriking power	85~265VAC/DC自由输入，其他工作电压可定制 85~265VAC/DC input free, other working voltage upon request	
计数倍率 Counting multiplying factor	×1、×10、×100、×1、×10、×100（1为1个输入信号计数加1，10为10个输入信号加1，100为100个输入信号计数加1，X为加速模式，X为减速模式） ×1、×10、×100、×1、×10、×100（1denotes to count and plus 1 for 1 input signal, 10 denotes to count and plus 1 for 10 input signals ,100 denotes to count and plus 1 for 100 input signals, x denotes posifive mode x denotes in verse mode)	
计数范围 Counting range	1-999900，4位拨码预置，1位计数倍率设定 1-999900, 4 bits dial code preset, 1 bit countingmultiplying factor set	
停电记忆功能 Power cut memory function	无 W/O	有（此功能可作累计计数器） W (The function is also for time accumulator)
计数速率 Counting speed	≤60cps	
重量及外形尺寸（mm） Weight and outline dimension	约150克，72W ×72H × 126D About 150g,72W ×72H × 126D	
信号输入方式 Signal input mode	NPN或触点式，短路（ON）阻抗小于3kΩ，开放（OFF）阻抗大于100kΩ，信号内部采用光电耦合隔离。 NPN or contact type, short time (ON) impedance less than 3kΩ, open circuit (OFF)impedance exceed 100kΩ.Signal inside adopts photoelectric coupling isolation	

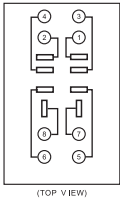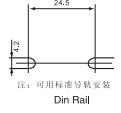| 复位方式及信号宽度 Reset mode and signal width	上电复位、面板按键复位、底部端子复位，复位后LED显示全0（上数方式）或当前拨码置值（下数方式） Power on reset ,panel keying reset and bottom terminal reset, LED displays 0 (positive mode) after reset or current dial code preset value (inverse code)	面板按键复位、底部端子复位，复位后LED显示全0（上数）或当前拨码置值（下数）上电复位（恢复掉电前的计数值和继电器状态） Power keying reset and bottom terminal reset, LED displays 0 (positive mode) after reset or current dial code preset value (inverse code). Poer on reset (Recover the delay value be-fore power cut and the relay state)
内部继电器触点容量 Contact capacity of inside relay	当计数值达到用户拨码预置值后，输出继电器触点转换，触点容量为阻性负载10A/280VAC或10A/28VDC最大（1组） When the counting value reach user's dial code preset value, contact of output relay changes. Contact capacity is impedance load max 5A/28VAC or 5A/28VDC (two groups of rylays)	
传感器电源输出 Power output of sensor	DC12V、20mA最大 Max DC12V, 20mA	
工作环境 Operating environment	环境温度：-10~+55℃（不结冰），湿度35~85%RH Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH	
抗干扰能力 Noisy immunity	AC2kV(操作电端子间)或DC±500V，脉冲宽度1uS扰动下继电器正常工作 AC2kV(between operating power terminals)or DC±500V,time accumulator works normally under sisturbance of 1uS impulse width	
使用寿命 Scrvice life	机械寿命：5百万次，电气寿命：1百万次 Mechanical life:5x10^{6}times,electric life:1x10^{6}times	

外形、接线图及开孔尺寸　Outline,connecting diagram, and tapping size

LC4J 系列 Series

主要功能概述 General

（1）对输入信号（PNP电信号、NPN结点信号、触点信号）进行计数。
（2）可自由选择停电记忆功能，停电数据保持时间不少于10年（EEPROM）。
（3）上数（加计数）或下数（减计数）面板拨码选择，三种计数倍率，计数范围宽达1~999900。
（4）4位拨码预置、1位拨码设定计数倍率，高亮LED显示计数值，字高0.36英寸。
（5）DC12V、20mA供电输出，直接连接光电、接近开关传感器使用。
（6）输入信号采用光电耦合隔离，提高抗干扰能力。
（7）DIN（48mm x 48mm）标准面板尺寸，无需另配底座的接线端子接线方式，方便与其他设备配套使用。

(1) Counting the input signal (PNP electric signal, NPN knot signal, contact signall).
(2) To choose battery backup function freely.Data keep time after power cut should not less than 10 years (EEPROM).
(3) Up digit (plus counting) or low digit (minus countring) panel dial code for selection. Three kinds of counting multiplying factor the counting range highly up to 1-999900.
(4) 4 bits dial code preset, 1 bit dial code to set counting multiplying factor, LED with high bright displays counting value and the digit height is 0.36 inch.
(5) DC12V, 20mA power supply output, it can be used for directly connected to sensors such as photoswitch and proximity switch.
(6) Input signal adopts photoelectric coupling isolation to increase the anti-interference capability.
(7) DIN(48mm x 48mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is convenient to use with matchable equipments.

技术参数 Technical parameters

类别 Class	多段式预置型计数器 Multiplex type preset counter
型号 Type	LC4J
额定工作电压 Rated woriking power	85~265VAC/DC自由输入，其他工作电压可定制 85~265VAC/DC input free, other working voltage upon request
消耗功率 Power consumption	小于4.5VA
计数倍率 Counting multiplying factor	×1、×10、×100、×1、×10、×100（1为个输入信号计数加1，10为10个输入信号计数加1，100为100个输入信号计数加1，X为加速模式，X为减速模式） ×1、×10、×100、×1、×10、×100（1denotes to count and plus 1 for 1 input signal, 10 denotes to count and plus 1 for 10 input signals ,100 denotes to count and plus 1 for 100 input signals, x denotes posifive mode x denotes in verse mode)
计数范围 Counting range	1-999900，4位拨码预置，1位计数倍率设定 1-999900, 4 bits dial code preset, 1 bit countingmultiplying factor set
计数速率 Counting speed	小于60CPS
计数信号输入 Counting signal input	三种信号输入方式任意选择其1：PNP电信号（高电平AC为4~30V，DC为3.5~30V；低电平AC为0~1.5V,DC为0-1.2V。直流进负端接公共端）、NPN结点信号（发射极接公共羰）、触点信号。NPN和触点短路（ON）阻抗小于3kΩ，开放（OFF）阻抗大于200kΩ Choose any in the three signal input modes: PNP electric signal (high level AC is 4~30V, DC IS 3.5~30V; low level AC is 0~1.5V, DC IS 0~1.2V. Negative terminal connects to common terminal for DC), NPN knot signal (emitter connects to common terminal) and contact signal. NPN and contact short circuit (ON) impedance less than 3kΩ and open circuit (OFF) impedance exceed 200kΩ

显示方式 Display mode	4位高亮数码管实时显示计数值，字高0.36英寸 4 bits digital tube with high bright displays counting value in real time, charater height is 0.36 inch
继电器容量 Relay capacity	阻形负载：5A/250VAC或5A/28VDC最大 Impedance load:Max 5A/250VAC or 5A/28VDC
停电记忆功能 Battery backup	可选择使用 For optional
复位方式及 Reset mode	面板按键复位、底座端子复位、上电复位（使用停电记忆功能时，上电后恢复掉电时的计数值和继电器动作状态），复位信号不少于0.02Sec Panel keying reset, base terminal reset, power on reset (Using the battery backup function, the counting value at time of power cut and action state of relay ercovers after power on). Reset signal not less than 0.02Sec
电源输出 Power output	DC12V、20mA最大，不宜作为电源使用Max DC12V, 20mA, not suitable to use as power
使用寿命 Scrvice life	机械寿命：5百万次，电气寿命：1百万次 Mechanical life:5x10^{6}times,electric life:1x10^{6}times
使用环境 Operating environment	环境温度：-10~+55℃（不结冰），湿度35~85%RH Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH
抗干扰能力 Noisy immunity	AC2kV(操作电端子间)或DC±500V，脉冲宽度1uS扰动下继电器正常工作 AC2kV(between operating power terminals)or DC±500V,time accumulator works normally under sisturbance of 1uS impulse width
重量 Weight	约121克About 121g
安装方式 Installation mode	面板嵌入式，采用接线端子方式接线 Panel built-in type, adopts the connection of connecting terminal mode

外形、接线图及开孔尺寸 Outline,connecting diagram, and tapping size

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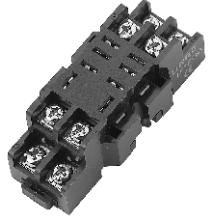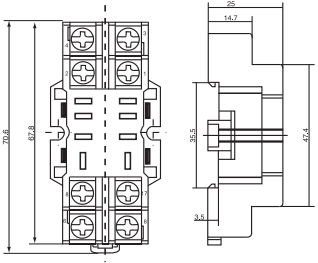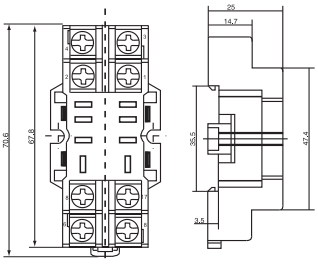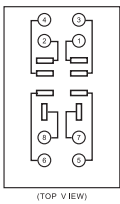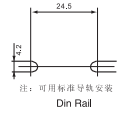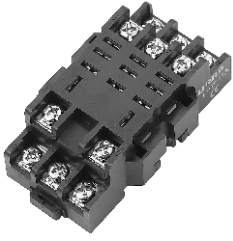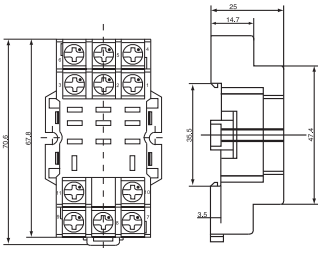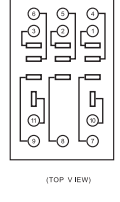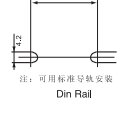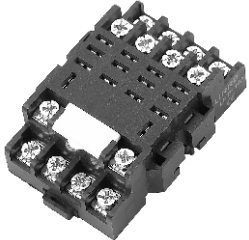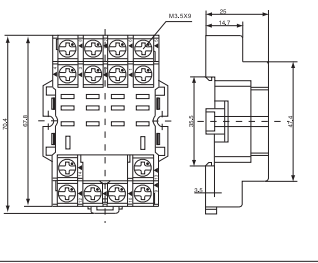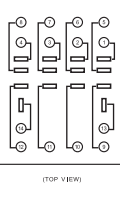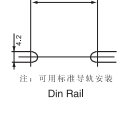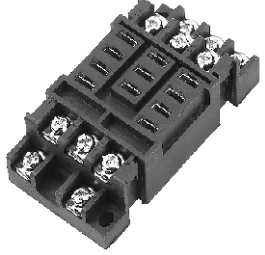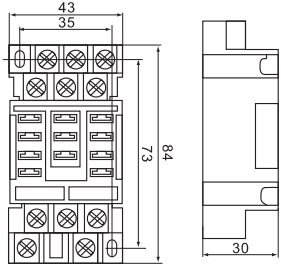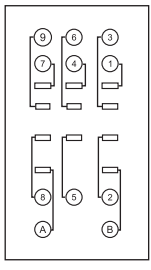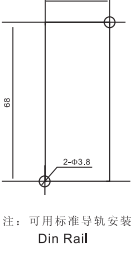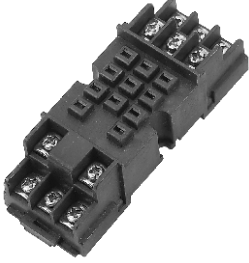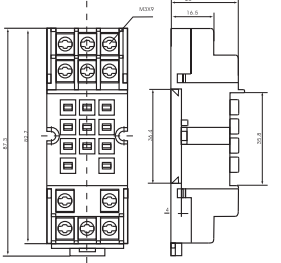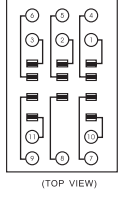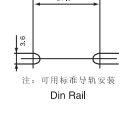
继电器插座系列
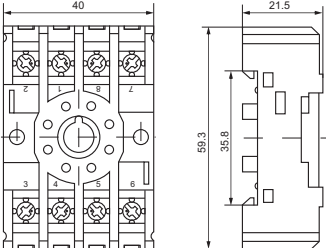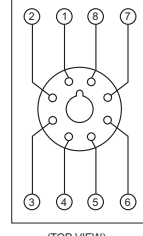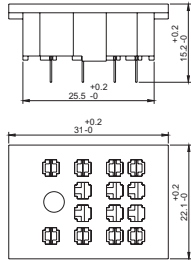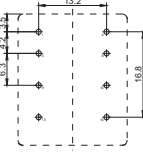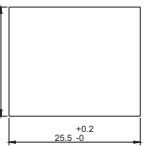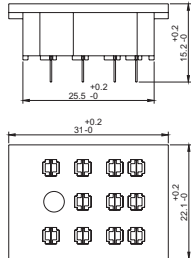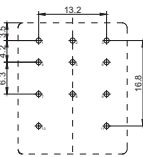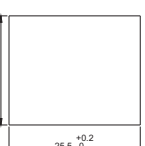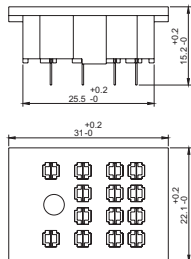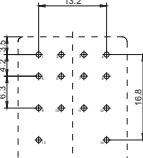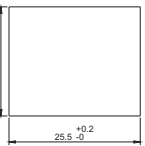
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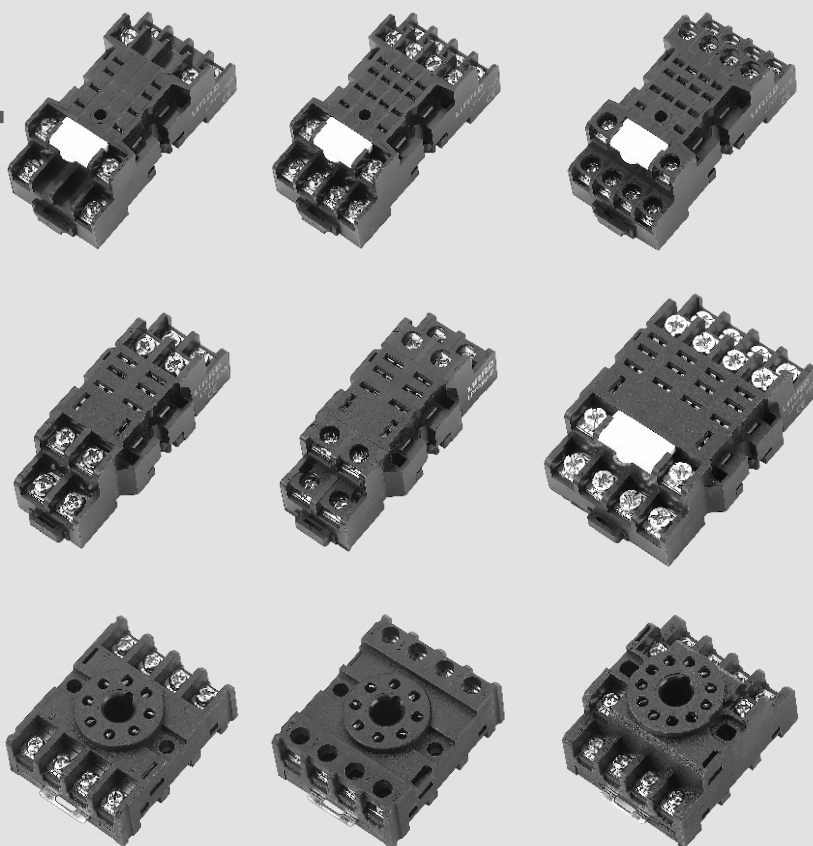
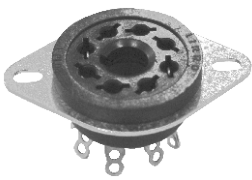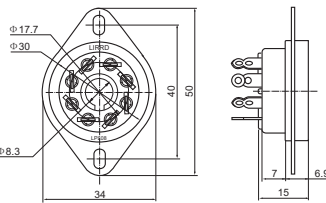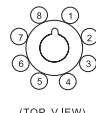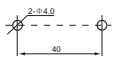| 型号 Model	外观 Appearance	外型尺寸 Outline dimension	端子配置　内部连接 Terminals & connections	安装尺寸 Mounting Holes
LPYF08A			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPYF08A-E			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPYF11A			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPYF14A			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPYF14A-E			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPYF14A-EH			 (TOP VIEW)	

型号 Model	外观 Appearance	外型尺寸 Outline dimension	端子配置　内部连接 Terminals & connections	安装尺寸 Mounting Holes
LPTF08A				
LPTF08A-E				
LPTF11A				
LPTF14A				
38F11A				
LR11A& PR11A				

型号 Model	外观 Appearance	外型尺寸 Outline dimension	端子配置　内部连接 Terminals & connections	安装尺寸 Mounting Holes
LPF083A			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPF083A-E			 (TOP VIEW)	安装尺寸 32.8
LPF113A			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LPF113A-E			 (TOP VIEW)	 注：可用标准导轨安装 Din Rail
LP3G-08E			 (TOP VIEW)	
LP2CF-08			 (TOP VIEW)	

型号 Model	外观 Appearance	外型尺寸 Outline dimension	端子配置　内部连接 Terminals & connections	安装尺寸 Mounting Holes
PF085A			(TOP VIEW)	注：可用标准导轨安装 Din Rail
SY2				
SY3				
SY4				
SL2				
L PL08			(TOP VIEW)	

型号 Model	外观 Appearance	外型尺寸 Outline dimension	端子配置　内部连接 Terminals & connections	安装尺寸 Mounting Holes
L PL11				
PYF.PTF系列挂钩clip				
PF系列挂钩clip				
H3Y系列挂钩clip				
LPF085A挂钩clip				
SY.SL系列挂钩clip				