

제어용 릴레이

Industrial Relays



파워용, LY

Power relay

정격

Ratings

형식	Type of relay	SHR-LY-1		SHR-LY-2, 4	
		1pole		2, 4pole	
최대개폐전압	Rated coltage	AC220V, DC125V			
정격통전전류	Rated continuous current	15A		10A	
정격전류	Rated opearting current	AC220V	DC24V	AC220V	DC24V
	저항부하 Resist (cos ϕ = 1)	15A	15A	10A	10A
	유도부하 Induct (cos ϕ = 0.4, L/R = 7ms)	10A	7A	7.5A	5A

주문형식

Catalog No. structure
(Ordering information)

SHT-LY-2SN

Type

24A

조작코일전압
Coil voltage code

XI

서지방지형



극 수 Poles contacts	단자구조 Terminal	동작표시 Indicator	형식 Type
1극 1 pole 1 changeover SPDT	소켓형 Plug-in	없음 Without	SHR-LY-1S
		있음 With LED	SHR-LY-1SN
	PCB형 PCB terminal	없음 Without	SHR-LY-1P
		있음 With LED	SHR-LY-1PN
2극 2 pole 2 changeover DPDT	소켓형 Plug-in	없음 Without	SHR-LY-2S
		있음 With LED	SHR-LY-2SN
	PCB형 PCB terminal	없음 Without	SHR-LY-2P
		있음 With LED	SHR-LY-2PN
4극 4 pole 4 changeover 4PDT	소켓형 Plug-in	없음 Without	SHR-LY-4S
		있음 With LED	SHR-LY-4SN
	PCB형 PCB terminal	없음 Without	SHR-LY-4P
		있음 With LED	SHR-LY-4PN
접속소켓 Socket for plug-in		1극 1pole	SH-RS-LY2
		2극 2pole	SH-RS-LY2
		4극 4pole	SH-RS-LY4

Code	Voltage
6A	AC6V
12A	AC12V
24A	AC24V
48A	AC48V
110A	AC110
220A	AC220V
6D	DC6V
12D	DC12V
24D	DC24V
110D	DC110V



정격 및 성능 Characteristics

특징 Features	■ 동작표시등 내장으로 제품신뢰성이 높습니다. ■ 소비전력이 적으며 응답속도가 빠릅니다. ■ 1극형은 15A, 2극형은 10A의 부하를 개폐할 수 있는 소형 릴레이 입니다. ■ 아크를 차단하는 아크베리어를 부착하였습니다. ■ UL, CCC승인품으로 제품의 안전도를 해외에서도 인정 받았습니다. ■ 서지방지용도 생산됩니다. ■ The reliability of product is high with indicating pilot lamp. ■ Power consumption is little, respond speed is rapid. ■ As even with mini type relay can switching of 15A(1 pole) load, 10A(2 pole) load. ■ It is installed arc-barrier for arc prevention. ■ Approved the quality around the world by passing the UL test.									
용도 Application	■ 일반 제어회로, 전원장치, 성형기, 산업기계 및 업무용기기 ■ 자판기, 의료기, 로봇트등. ■ General control circuit, Power supply device, Molding machine, Industrial machine, Instrument for business use ■ Vending machine, Medical instrument, Robot, etc.									
조작코일정격 Operating coil ratings 주) 설정기준 주위온도 23℃ 전류오차 ±15℃ 저항오차 ±10℃	AC코일 AC supply	전압 Rated voltage	6V	12V	24V	50V	110V	220V	240V	
		전류 Current	50Hz	229mA	114mA	57.8mA	27.7mA	14.4mA	7.2mA	6mA
			60Hz	190mA	95mA	48mA	23mA	12mA	6mA	5mA
		저항 Resistance		12.2 Ω	46 Ω	180 Ω	788 Ω	3,750 Ω	12,950 Ω	18,790 Ω
	DC코일 DC supply	전압 Rated voltage	6V	12V	24V	48V	110V			
		전류 Current		150mA	75mA	36.9mA	18.5mA	10mA		
		저항 Resistance		40 Ω	160 Ω	650 Ω	2,600 Ω	11,000 Ω		
	사용전압 Operating(Pick-up)voltage		코일정격전압의 80~110% 80~110% of the coil rated voltage							
	복귀전압 Release voltage		AC	코일정격전압의 30%이하 Less than 30% of the coil rated voltage						
			DC	코일정격전압의 10%이하 Less than 10% of the coil rated voltage						
	소비전력 Power consumption		AC	약 0.9~1.3W (60Hz) About 0.9~1.3W at 60Hz						
			DC	약 0.9VA About 0.9VA						
기타특성 Other characteristics	허용동작빈도 Max. operating cycles	기계적 Mechanical	18,000회/시 18,000 cycles/hr.							
		전기적 Electrical	1,800회/시 1,800 cycles/hr.							
	동작시간 Operating(Pick-up) time		25ms이하 Max. 25ms							
	복귀시간 Release time		25ms이하 Max. 25ms							
	접촉저항 Contact resistance		100mΩ 이하 Max. 100mΩ							
	절연저항 Insulation resistance		100MΩ 이상(DC500V절연저항계) min.100MΩ at DC500V							
	내전압 Dielectric strength	충전부간 Between contacts in the same pole	AC 1,000V 50/60Hz 1min							
		비충전부간 Between other parts	AC 2,000V 50/60Hz 1min							
	내진동 Vibration protection		10~55Hz 복진폭 1.0mm							
	내충격 Mechanical shock protection		내구	1000m/s²(약 100G)						
			오동작	200m/s²(약 20G)이상						
	수명 Lifetimes	전기적 Electrical	20만회이상 0.2 mil .operations							
		기계적 Mechanical	500만회이상 5 mil .operations							

제어용 릴레이

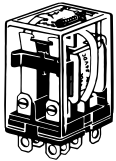
Industrial Relays

파워용, LY-2

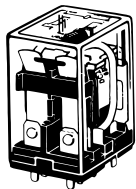
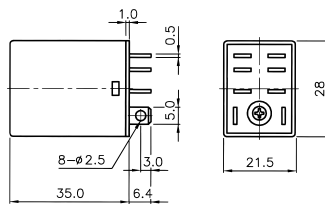
Power relay, LY-2

외형치수

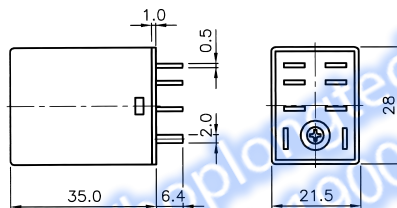
Dimensions



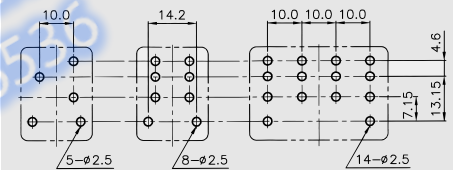
LY-2S
LY-2SN
LY-2SN-X1



LY-2P
LY-2PN
LY-2PN-X1



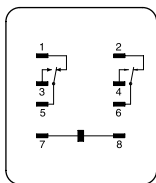
PCB가공치수
PCB drilling



접속도

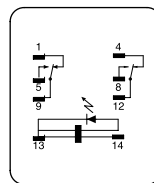
Circuit diagrams

LY-2S



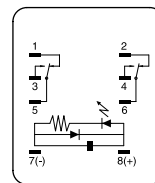
2극
2pole

LY-2SN



2극(LED부착)
2pole with LED

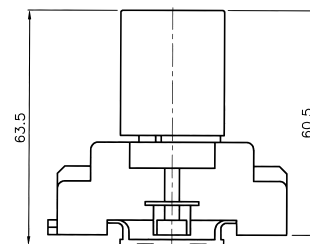
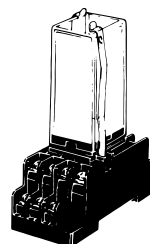
LY-2SN-X1



서지방지형

소켓설치시 치수

진동에 의한 탈락이 생기지 않도록 릴레이 고정쇠로 확실하게 고정, 사용하여 주시기 바랍니다.

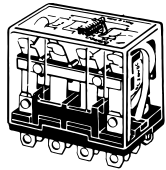


파워용, LY-4

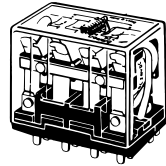
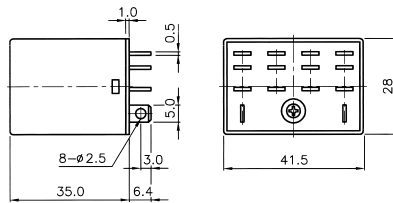
Power relay, LY-4

외형치수

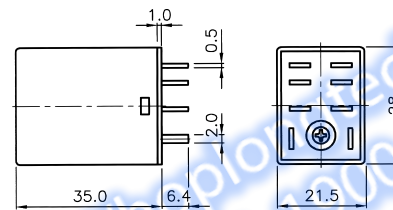
Dimensions



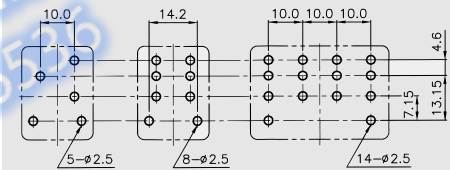
LY-4S
LY-4SN
LY-4SN-X1



LY-4P
LY-4PN
LY-4PN-X1



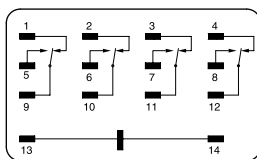
PCB가공치수
PCB drilling



접속도

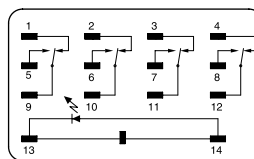
Circuit diagrams

LY-4S



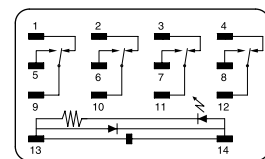
4극
4pole

LY-4SN



4극(LED부착)
4pole with LED

LY-4SN-X1



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