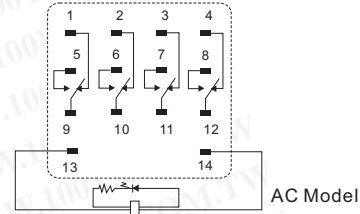
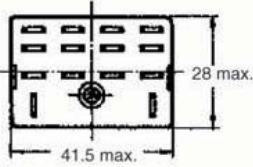
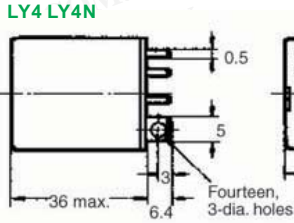
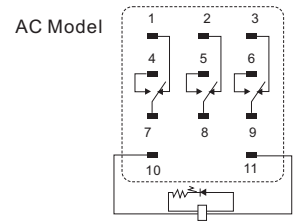
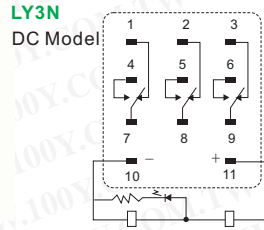
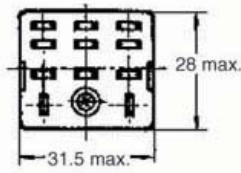
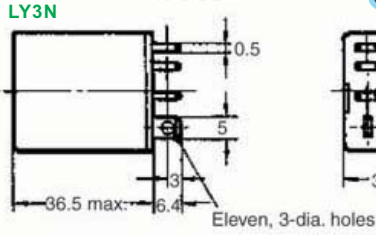




Relays & Solenoids

OMRON Power Relays

Detailed product specifications are available on: us.100y.com.tw



Characteristics

Contact resistance	50 mΩ max.
Operate time	25 ms max.
Release time	25 ms max.
Max. operating frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr (under rated load)
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity 2,000 VAC, 50/60 Hz for 1 min between contacts of different polarity
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude) Malfunction: 10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude)
Shock resistance	Destruction: 1,000 m/s ² Malfunction: 200 m/s ²
Endurance	Mechanical: AC: 50,000,000 operations min. (at 18,000 operations/hr) DC: 1,000,000,000 operations min. (at 18,000 operations/hr) Electrical: Single-, three-, and four-pole: 200,000 operations min. (at 1,800 operations/hr under rated load) Double-pole: 500,000 operations min. (at 1,800 operations/hr under rated load)
Ambient temperature*	Operating: Single- and double-pole standard, bifurcated-contact Relays: -25°C to 55°C (with no icing) (-25°C to 70°C if carry current is 4 A or less) All other Relays: -25°C to 40°C (with no icing) (-25°C to 55°C if carry current is 4 A or less)
Ambient humidity	Operating: 5% to 85%
Weight	Single- and double-pole: approx. 40 g, three-pole: approx. 50 g, four-pole: approx. 70 g

Part No.	Product No.	Manufacturer	Description	Type	Cont. Arrangement	Contact Rating	Recognized Safety	Coil Volt.	L*W*H (mm)
27591	LY2J-AC220V	OMRON	POWER Miniature Solder Relays-LED	LY2J	2PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	220Vac	20.5*27*41.6
27589	LY2J-DC24V	OMRON	POWER Miniature Solder Relays-LED	LY2J	2PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	24Vdc	20.5*27*41.6
20299	LY2N-AC110/120V	OMRON	POWER Miniature Solder Relays-LED	LY2N	2PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	AC110V/120V	28*21.5*36
17606	LY2N-D2-DC24V	OMRON	POWER Miniature Solder Relays-LED	LY2N-D2	2 Polars	1/2HP 120VAC/ 12A 240Vac	UL,CAS,CE	24Vdc	36*28*21.5
17161	LY2N-DC24V	OMRON	POWER Miniature Solder Relays-LED	LY2N	2PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	24Vdc	28*21.5*36
41582	LY2NJ-AC110V	OMRON	POWER Miniature Solder Relay-LED	LED indicator	DPDT	10A/110VAC		10A/110VAC	40*26.5*35
39498	LY2NJ-AC240V	OMRON	POWER Miniature Solder Relay	LED indicator	DPDT	10A/240V DC		10A/240V DC	40*26.5*35
34219	LY2NJ-DC24V	OMRON	POWER Miniature Solder Relay	LED indicator	DPDT	10A/24VDC		10A/24VDC	40*26.5*35
19022	LY3N-DC24V	OMRON	POWER Miniature Solder Relays-LED	LY3N	3PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	24Vdc	30*26.7*35
44078	LY3N-DC48V	OMRON	POWER Miniature Solder Relay-LED	LY3N	3PDT	10A/110Vac	UL,CSA,SEV,LR,VDE	48VDC	30*26.7*35
11445	LY4NJ-AC110V	OMRON	Power Miniature Solder Relay	LY4NJ	4PDT	10A/240VAC-10A/28VDC	IEC255	100/110VAC	40*26.5*35
14788	LY4NJ-AC220V	OMRON	Power Miniature Solder Relay	LY4NJ	4PDT	10A/240VAC-10A/28VDC	IEC255	200/220VAC	40*26.5*35



- Increased reliability through automated production
- Multiple features available, including LED indicator, test button, bifurcated contacts, built-in diode and CR (surge suppression)
- Max. switching current: two-pole/10A, four-pole/5A
- Environment-friendly cadmium-free contacts
- Built-in operation indicator and name-plate is standard



CHARACTERISTICS

Contact resistance	100mΩ max.
Operate time	20ms max.
Release time	20ms max.
Max. operating frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr (underrated load)
Insulation resistance	1,000 MΩ min. (at 500 VDC)
Dielectric withstand voltage	2,000 VAC, 50/60 Hz for 1.0 min (1,000 VAC between contacts of same polarity)
Vibration resistance	Destruction: 10 to 55 Hz, 1.0 mm double amplitude Malfunction: 10 to 55 Hz, 1.0 mm double amplitude
Shock resistance	Destruction: 1,000 m/s ² (approx. 100G) Malfunction: 200 m/s ² (approx. 20G)

Ambient temperature	Operating	-55°C to 70°C (-67°F to 158°F) with no icing (See Note.)
Ambient humidity	Operating	35% to 85%
Weight		Approx. 35g



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