



# Relays & Solenoids

## IDEC\_Power Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

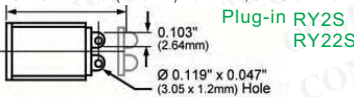


### Key features of the RY series include:

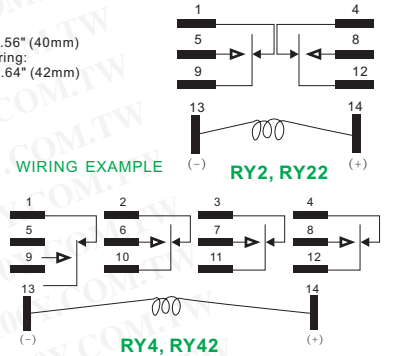
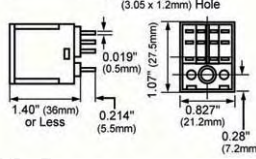
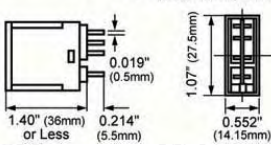
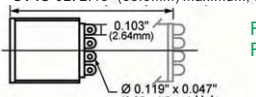
- Compact miniature size saves space
- 2PDT and 4PDT models, available with bifurcated crossbar contacts, ensure reliable low-current switching for dry circuit applications
- Choice of plug-in/solder or PCB type terminals
- Options include check button for test operation and indicator lights on 4PDT models
- DIN rail, surface, panel, and PCB type sockets available for a wide range of mounting applications

<b>Contact Material</b>	RY2, RY4: Silver (Ag), gold-plated
<b>Contact Resistance</b>	RY2, RY4: 50mΩ maximum
<b>Operating Time</b>	20ms maximum
<b>Release Time</b>	20ms maximum
<b>Insulation Resistance</b>	100MW minimum(measured with 500V DC megger)
<b>Vibration Resistance</b>	0 to 6G (55Hz maximum)
<b>Shock Resistance</b>	RY2, RY22: 100N (approximately 10G) Ry4, RY42: 200N (approximately 20G)
<b>Operating Temperature</b>	-30 to +70°C
<b>Weight</b>	DPDT: 23g; 4PDT: 34g (approximately)

Total length from panel surface including socket:  
**SY2S-02:** 2.40" (61.6mm) maximum; **SY2S-51:** 1.56" (40mm)  
 Total length from panel surface including hold-down spring:  
**SY2S-02:** 2.48" (63.6mm) maximum; **SY2S-51:** 1.64" (42mm)



Total length from panel surface including socket:  
**SY4S-02:** 2.40" (61.6mm) maximum; **SY4S-51:** 1.56" (40mm)  
 Total length from surface including hold-down spring:  
**SY4S-02:** 2.48" (63.6mm) maximum; **SY4S-51:** 1.64" (42mm)



Part No.	Product No.	Manufacturer	Description	Recognized Safety	Type	Cont. Arrangement	Contact Rating	Coil Volt.	L*W*H (mm)
17553	RY2S-UDC12	IDEC	Power Miniature Solder Relays	UL,CSA,TUV	RY2S-U	DPDT	110VAC/30VDC,3A 220VAC,3A	DC12V	35.6*14*27.5
17554	RY2S-UDC24	IDEC	Power Miniature Solder Relays	UL,CSA,TUV	RY2S-U	DPDT	110VAC/30VDC,3A 220VAC,3A	DC24V	35.6*14*27.5
39743	RY4S-ULAC220	IDEC	Power Miniature Solder Relays	UL,CSA,TUV	RY4S-UL	4PDT	30VDC/5A	AC220-240V	27.5*21*35.6
44908	RY4S-ULDC24V	IDEC	power relay	UL,CSA,TUV	RY4S-UL	4PDT	24VDC/36.9MA	24VDC	27.5*21*35.6

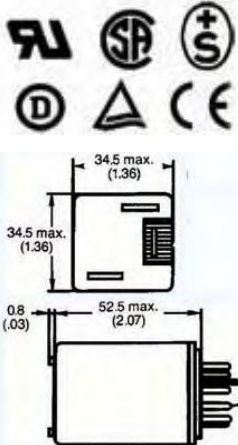
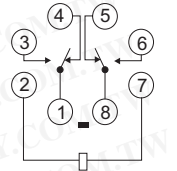
## 8-Pin and 11-Pin plug relays OMRON\_MK2P-I 8-Pin Plug Relays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- Exceptionally reliable general purpose relay
- Long life (minimum 100,000 electrical operations) assured by silver contacts
- Built-in operation indicator (mechanical,LED), diode surge suppression, Varistor surge suppression
- The contact operation can be easily checked by mechanical indicator and/or push-to-test button options
- Conforms to CENELEC standards
- VDE approved versions available

MK2P-I, S  
Standard type (AC/DC coil)



### CHARACTERISTICS

Contact resistance		50 m max.
Operate time		AC: 20 ms max. DC: 30 ms max.
Release time		20 ms max.
Operating frequency	Mechanical	18,000 operations/hour
	Electrical	1,800 operations/hour (under rated load)
Insulation resistance		100 M min. (at 500 VDC)
Vibration	Mechanical durability	10 to 55 Hz, 1.50 mm (0.06 in) double amplitude
	Malfunction durability	10 to 55 Hz, 1.00 mm (0.04 in) double amplitude
Shock	Mechanical durability	1,000 m/s <sup>2</sup> (approx. 100 G)
	Malfunction durability	100 m/s <sup>2</sup> (approx. 10 G)
Ambient temperature		Operation: -10 to 40°C (14 to 104°F)
Humidity		35 to 85% RH
Service Life	Mechanical	10 million operations min. (at operating frequency of 18,000 operations/hour)
	Electrical	100,000 operations at rated load (at operating frequency of 1,800 operations/hour)
Weight		Approx. 0.85 g (3.0 oz)



Part No.	Product No.	Manufacturer	Description	Contact form	Coil rating	Contact rating
4338	MK2P-I-AC110V	OMRON	8-Pin Plug Relay	DPDT	110Vac	250Vac,28Vdc/ 10A
4867	MK2P-I-AC220V	OMRON	8-Pin Plug Relay	DPDT	220Vac	250Vac,28Vdc/ 10A
37245	MK2P-I-DC12VDC	OMRON	OMRON Power Relay	2C	12VDC	5A 24VDC/5A 240VAC
4337	MK2P-I-DC24V	OMRON	8-Pin Plug Relay	DPDT	24Vdc	250Vac,28Vdc/ 10A

