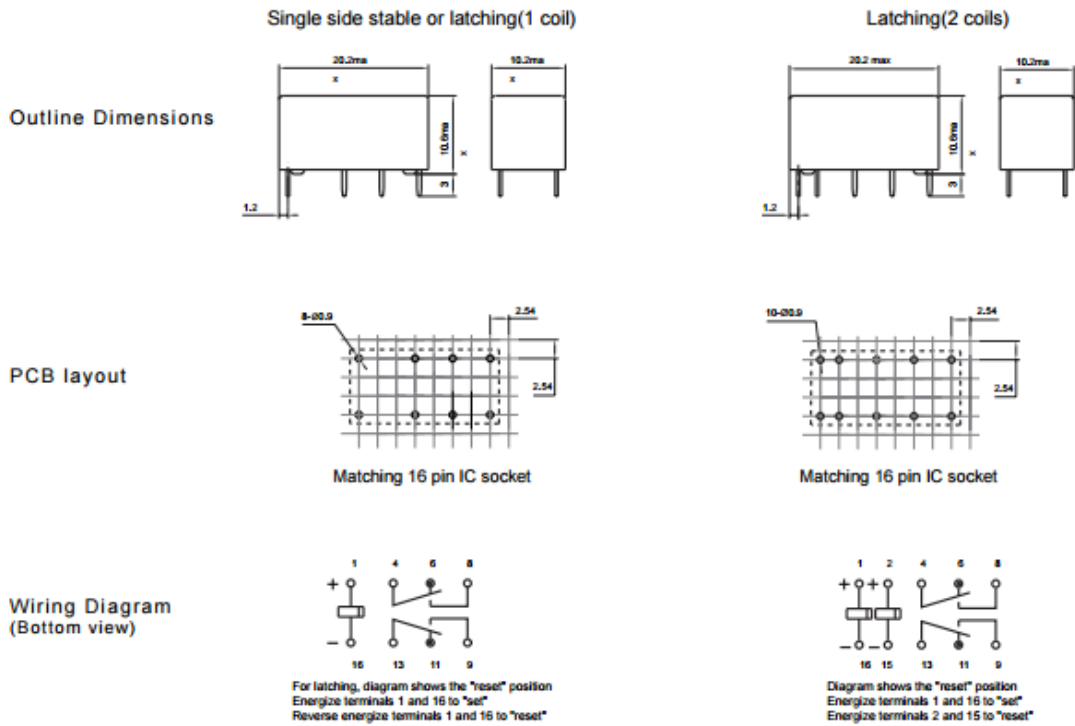


Datasheet

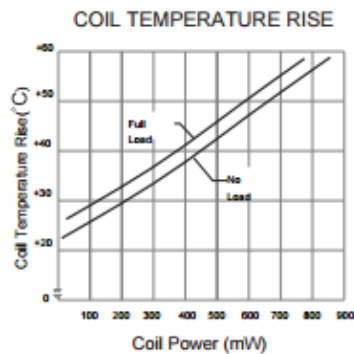
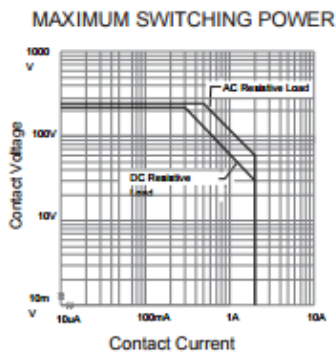
2CO PCB Mount Non-Latching Relay, 3 A, 12V

RS Stock number [800-4511](#)

Dimensions: (mm)



Characteristic Curve



Typical Contact Life Expectancy

Voltage	Power	Number of operations	
		Resistive Load	Inductive Load($\cos\theta=0.7$)
50mV	50uW	5 x 10 ⁷	5 x 10 ⁷
30VDC	20W	3 x 10 ⁶	1 x 10 ⁶
30VDC	30W	1 x 10 ⁶	3 x 10 ⁵
30VDC	60W	1 x 10 ⁵	1.5 x 10 ⁴
60VDC	20W	3 x 10 ⁵	--
60VDC	30W	5 x 10 ⁴	--
60VDC	60W	1 x 10 ⁴	--
30VAC	40VA	3 x 10 ⁵	1 x 10 ⁵
30VAC	80VA	1 x 10 ⁵	3 x 10 ⁴
30VAC	120VA	1 x 10 ⁴	1.5 x 10 ⁴
60VAC	40VA	3 x 10 ⁵	1 x 10 ⁵
60VAC	80VA	1 x 10 ⁵	3 x 10 ⁴
60VAC	120VA	1 x 10 ⁴	1.5 x 10 ⁴
125VAC	40VA	3 x 10 ⁵	1 x 10 ⁵
125VAC	80VA	1 x 10 ⁵	3 x 10 ⁴
125VAC	125VA	1 x 10 ⁴	1.5 x 10 ⁴

Contact Data

Contact Arrangement	2C
Initial Contact Resistance	50mΩ
Contact Material	Ag-AuAg8, AgPd60
Contact Rating (Res. Load)	2A 30VDC 1A 125VAC
Max. switching power	60W, 125VA
Max. switching voltage	220VDC, 250VAC
Max. switching current	2A
Min. Applicable load	10mV 10μA
Electrical life	1 x 10 ⁶ ops (2A 30VDC) 5 x 10 ⁶ ops (1A 30VDC)
Mechanical life	1 x 10 ⁶ ops

Features

2 form C contact, polarised relay
 High sensitivity 150mW
 Fits standard 16 pin IC socket
 High switching capacity 60W, 125VA
 Epoxy sealed for automatic wave soldering and cleaning

Coil

Coil power		Sensitive	standard
	Single side stable	150mW	200mW
	Latching 2 coil	150mW	200mW
	Latching 1 coil	75mW	100mW
Temperature Rise	Max. 65° C		
Coil Voltage	See coil data table		

Characteristics

Initial Insulation Resistance		1000MΩ 500VDC
Dielectric Strength	Contacts to coil	1500Vrms, 1min(1coil) 1000Vrms, 1min(2coil)
	Contacts to contact	1000Vrms, 1min
Operate time (at nomi. Volt.)		4ms
Release time (at nomi. Volt.)		3ms
Set Time (latching)		3ms
Reset Time (latching)		3ms
Bounce Time		1.5ms
Ambient temperature		-40° C to +85° C
Humidity		5% to 85%R.H.
Vibration Resistance		196 m/s ² (20g) 10 to 55Hz
Shock Resistance	Functional	490 m/s ² (50g)
	Destructive	980 m/s ² (100g)
Capacitance	Contact to contact	2.0p
	Contact set to contact	1.5p
	Contact to coil	5.0p
Max.Solder Temp. Time		270° C 5s
Max.Solvent Temp. Time		80° C 30s
Termination		DIP & PCB
Unit weight		Approx. 4.5g
Construction		Sealed