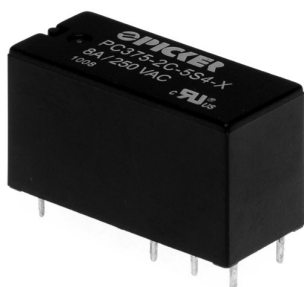


Low Profile PCB Power Relay

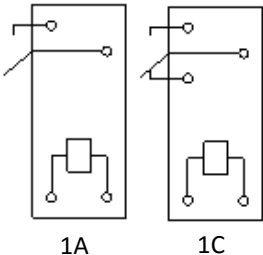
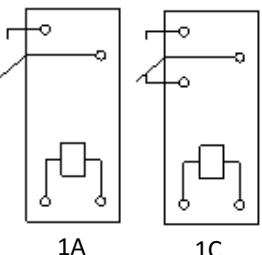
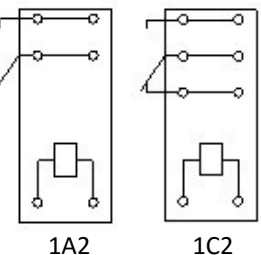
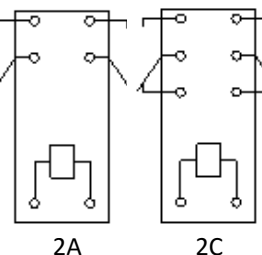
PC375



FEATURES

- Up to 16 Amp Continuous Contact Capacity
- Four Version
- 5 KV Dielectric Strength Between Coil and Contacts
- Meets UL 873 Spacing
- Class F Material
- 85°C Operating Temperature
- RoHS Compliant



Version	1	2	3	4
Form	1A, 1C	1A, 1C	1A2, 1C2	2A, 2C
Contact Pin Spacing	3.5 mm	5.0 mm	5.0 mm	5.0 mm
Number of Pins	4 or 5	4 or 5	6 or 8	6 or 8
Wire Diagram (Bottom View)				
General Purpose 100K Cycles	12 A 250 VAC 12 A 30 VDC	12 A 250 VAC	16 A 250 VAC 16 A 30 VDC	8 A 250 VAC 8 A 30 VDC
Resistive 6,000 Cycles	20 A 277VAC 16 A 277 VAC	20 A 277VAC 16 A 277 VAC	20 A 277VAC 16 A 277 VAC	10 A 277VAC 8 A 277 VAC
Coil Power	.41 W	.41 W	.41 W	.41 W
Max Switching Current	20 A			
Max Switching Power	480 W 5,600 VA			2 x 150 VA 2 x 1,800 VA
Max Switching Voltage	440 VAC 125 VDC			

ORDERING INFORMATION

Example:	PC375	-1C	-12	S	2	-T	-X
Model:	PC375						
Contact Form:	1A, 1C, 2A, or 2C						
Coil Voltage:	5, 6, 9, 12, 24, 48						
Enclosure:	S: Sealed; C: Dust Cover						
Version:	1: 1 Pole, 1A or 1C, 12 A, 3.5 mm; 2: 1 Pole, 1A or 1C, 12 A, 5 mm; 3: 1 Pole, 1A2 or 1C2, 16 A, 5 mm; 4: 2 Pole, 2A or 2C, 8 A, 5 mm						
Coil Sensitivity:	Nil: 410 Mw						
Contact Material:	Nil: AgCdO; T: AgSnO ₂ ; G: AgCdO + Gold Plate						
RoHS Compliant:	-X						

Box Quantity: 1000; Inner Box: 500

COIL DATA

Coil Voltage		Coil Power		Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)
		Resistance ohms ± 10%			
Rated	Max	250 mW	410 mW		
5	6.5	100	61	3.5	0.5
6	7.8	144	88	4.2	0.6
9	11.7	324	198	6.3	0.9
12	15.6	576	351	8.4	1.2
24	31.2	2304	1405	16.8	2.4
48	62.4	9216	5620	33.6	4.8
60	78	12857	8780 ± 15%	42	6.0
110	143	NA	29512 ± 15%	77	11.0

NOTES:

The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

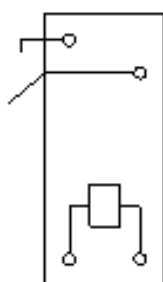
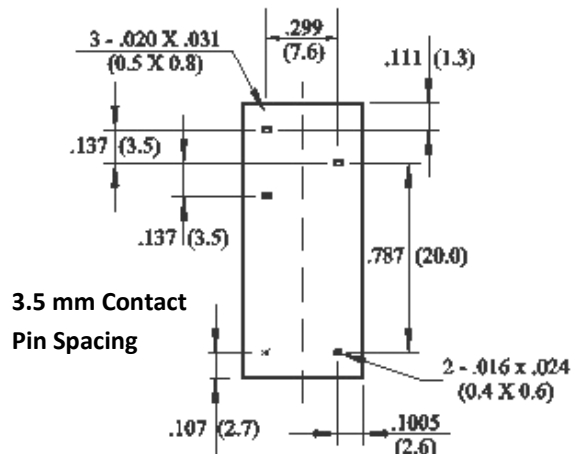
CONTACT DATA

Material		AgCdO, AgSnO ₂
Initial Contact Resistance		50 mΩ max @ 1 A, 6 VDC
Service Life	Mechanical	1 X 10 Operations
	Electrical	1 X 10 ⁵ Operations

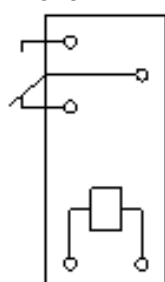
CHARACTERISTIC

Operate Time	15 ms. Max.
Release Time	3 ms Max
Insulation Resistance	1,000 MΩ min, at 500 VDC, 50% RH
Dielectric Strength	5000 V 50 HZ between coil and contacts 1000 V 50 HZ between open contacts
Power Consumption	0.41 W or 0.25 W 1 Pole 12 A Relay
Shock Resistance	10 g, 11 ms, functional; 100 g, destructive
Vibration Resistance	10 Hz- 55 Hz DA 2.0 mm
Terminal Strength	10N
Solderability	235 °C for 3 secs
Operating Temperature Range	- 40°C to 85°C
Relative Humidity	85% (at 40°C)
Weight	12 gr Approximately

Version 1

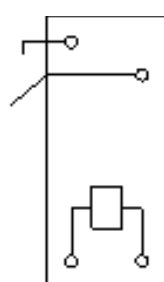
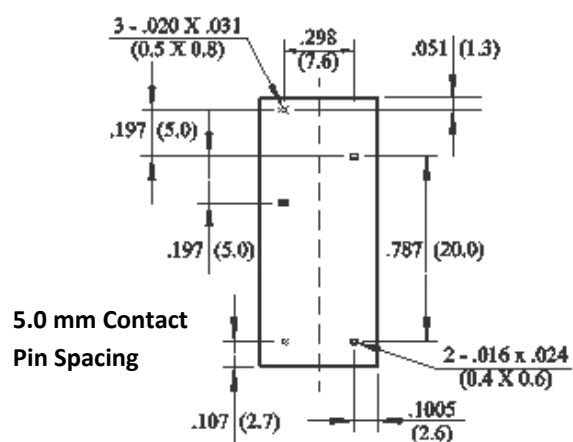


1A
4 Pin

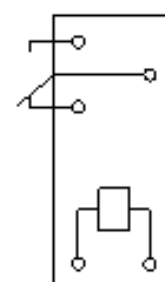


1C
5 Pin

Version 2

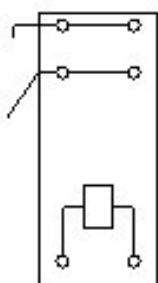
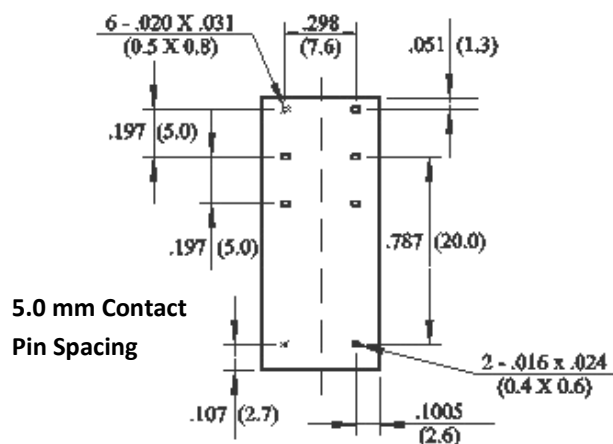


1A
4 Pin

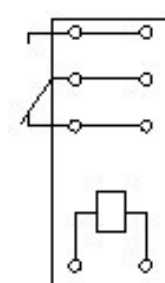


1C
5 Pin

Version 3

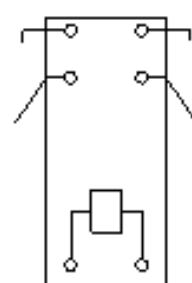
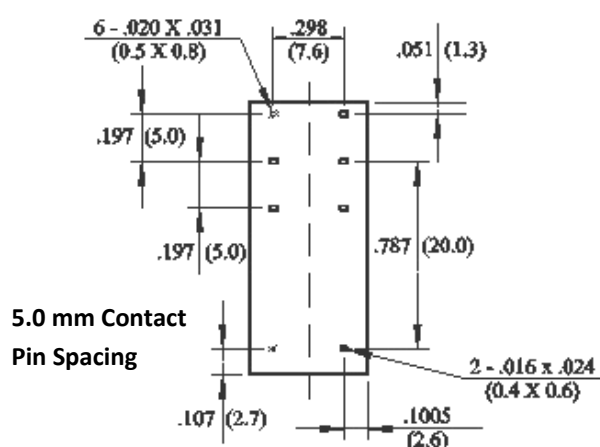


1A2
6 Pin

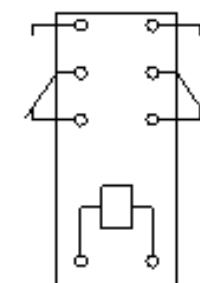


1C2
8 Pin

Version 4



2A
6 Pin



2C
8 Pin