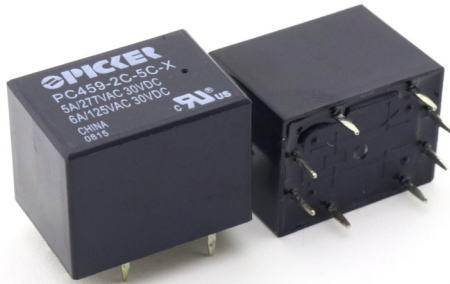


Miniature PCB Power Relay

PC459



Features

- Lowest Cost Double-Pole Relay
- 2A, 2B and 2C Contact Forms Available
- Sealed, Immersion Cleanable
- Class B (125°C) Insulation Standard
- Class F (155°C) Insulation Available
- RoHS Compliant

US File # E86876

CONTACT RATINGS

Contact	All Contact Forms
General Purpose	10 Amps @ 277 VAC, 30VDC 6 Amps @ 125 VAC, 30VDC
Minimum Load	0.05 Amps @ 5VDC

CROSS REFERENCES

Hasco KSD
KSD205-DC12 Crosses to PC459-2C-12S-X
American Zettler AZ946
AZ946-2CH-24DC Crosses to PC459-2C-24S-X

CHARACTERISTICS

Operate Time	10 ms. Typical
Release Time	5 ms. Typical
Insulation Resistance	100 Mohms Min (@ 500VDC)
Dielectric Strength	1000 V @ 50 Hz
Shock Resistance	100 m/s ² 11ms
Vibration Resistance	10 Hz - 55 Hz (1.5mm Amplitude)
Power Consumption	600 mW
Ambient Temperature	-40°C ~ 70°C (@ 85% RH, None- Condensing)
Weight	12g

CONTACT DATA

Coil Power	600 mW	
Max Switching Power	300 W, 2770 VA	
Max Switching Voltage	50 VDC, 380 VAC	
Max Switching Current	10 A	
Material	AgCdO (Silver Cadmium Oxide, Au Clad)	
	AgSnO (Silver Tin Oxide, Au Clad)	
Initial Contact Resistance	50 mOhms	
Service Life	Mechanical	1 x 10 ⁷ Operations
	Electrical	1 x 10 ⁵ Operations

ORDERING INFORMATION

Example:	PC459	-2C	-12	S	.5	-X
Model:	PC459					
Contact Form:	2A, 2B, or 2C					
Coil Voltage:	5, 9, 12, 24					
Enclosure:	S: Sealed; C: Dust Cover					
Options:	Nil: 600 mW					
RoHS Compliant:	-X					

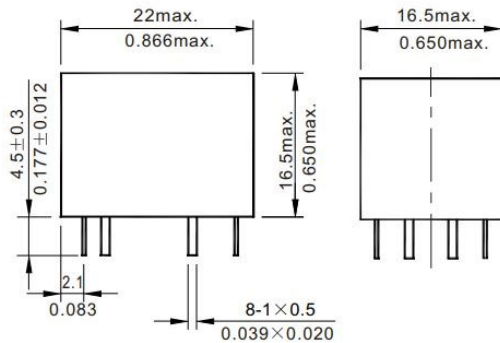
Box Quantity: 2,000; Inner Box: 1,000

COIL DATA

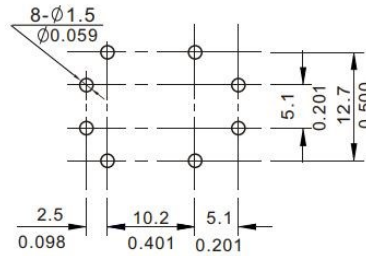
Coil Voltage VDC		Resistance ohms ±10%	Must Operate Voltage MAX	Must Release Voltage MIN	Coil Power
Rated	Max				
5	6.5	18	3.9	0.5	600 mW
9	11.7	135	6.8	0.9	
12	15.6	240	9	1.2	
24	31.2	960	18	2.4	

DIMENSIONS

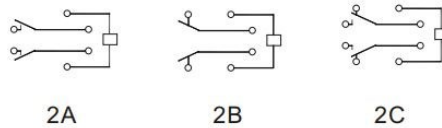
mm / inch



Dimensions



Mounting (Bottom view)



Wiring diagram(Bottom view)

NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.