

20 Amp Minature PCB Power Relay

PC355



FEATURES

- 20 Amp contact capacity
- Suitable for automatic soldering
- 5 KV dielectric strength between coil and contacts
- 10 KV surge voltage
- Low cost 20 amp relay
- Meets UL 873 spacing
- UL Class "F" insulation available



File # E86876

UL/CUR RATINGS

Load Type	All Forms All Contacts
Resistive	20 Amps/125 VAC, 16 Amps/250 VAC
Maximum switched power	4000 VA, 385 W
Maximum switched voltage	277 VAC, 30 VDC
Minimum Permissible Load	10 mA / 5vdc

CONTACT DATA

Material		AgSnO (Silver Tin Oxide)
Initial Contact Resistance		30 milliohms max @ 0.1A, 6VDC
Service Life	Mechanical	1 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTICS

Operate Time	20 ms. Max.
Release Time	10 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	5000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.0 mm, 10 - 55 Hz
Power Consumption	.54 Watts
Ambient Temperature Range	-40 to 85 C, -40 to 130 C storage
Weight	15 grams approx.

ORDERING INFORMATION

Example:	PC355	-1A	-12	P	F
Model					
Contact Form					
1A					
Coil Voltage					
Terminal Type					
Nil: QC + PC, P: All PC					
Insulation Material					
Nil: Class B, F: Class F (155 degrees C)					

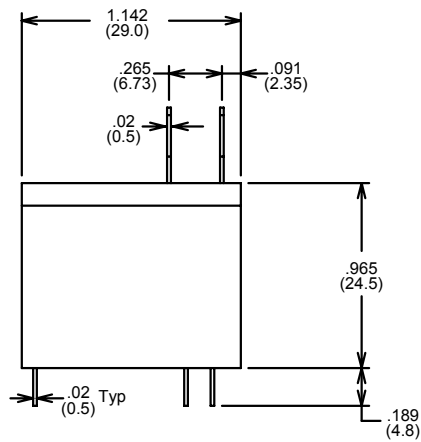
COIL DATA

Coil Voltage	Resistance ohms $\pm 10\%$	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
5	46	3.75	0.25	5.5
6	67	4.5	0.30	6.6
9	150	6.75	0.45	9.9
12	270	9.0	0.60	13.2
18	600	13.5	0.90	19.8
24	1100	18.0	1.20	26.4
48	4267	36.0	2.40	52.8

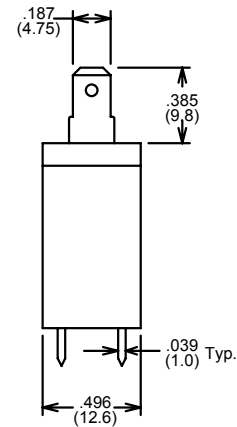
Note: Custom coil voltages within the ranges shown are available on special order.

Dimensions in Inches (millimeters)

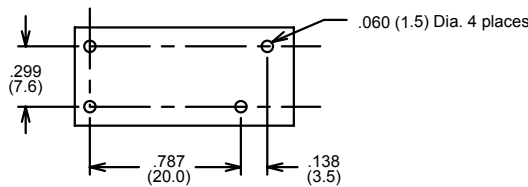
Side View



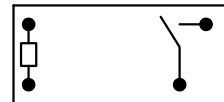
End View



PC Board Pattern
Bottom View



Wiring Diagram
Bottom View



Notes:

Tolerances $\pm .010$ unless otherwise noted



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