

## 80/60 Amp Automotive Plug-In / PCB Power Relay

## PC795



### FEATURES

- Most popular automotive relay
- 1 A and 1 C contact forms available
- Contact switching capacity up to 240 Amps
- 80 Amps continuous carrying capacity
- Up to 125 degrees C operating temperature
- Plain case, Bracket case or PCB case
- Sockets available from Picker Components
- **Now available Lead Free & RoHS Compliant**

### CONTACT RATINGS

Contact Form	1 Form A or 1 Form C	
	Normally Open	Normally Closed
Max Switching Current	Make 240 Amps	Make 180 Amps
	Break 80 Amps	Break 60 Amps
Max. Switching Voltage	75 Volts DC	
Max. Continuous Current	80 Amps	60 Amps
Minimum Load	0.5 A @ 12 VDC	

### CONTACT DATA

Material	Silver Alloy	
Initial Contact Resistance	100 milliohms max @ 0.1A, 6VDC	
Service Life	Mechanical	1 X 10 <sup>7</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

### CHARACTERISTICS

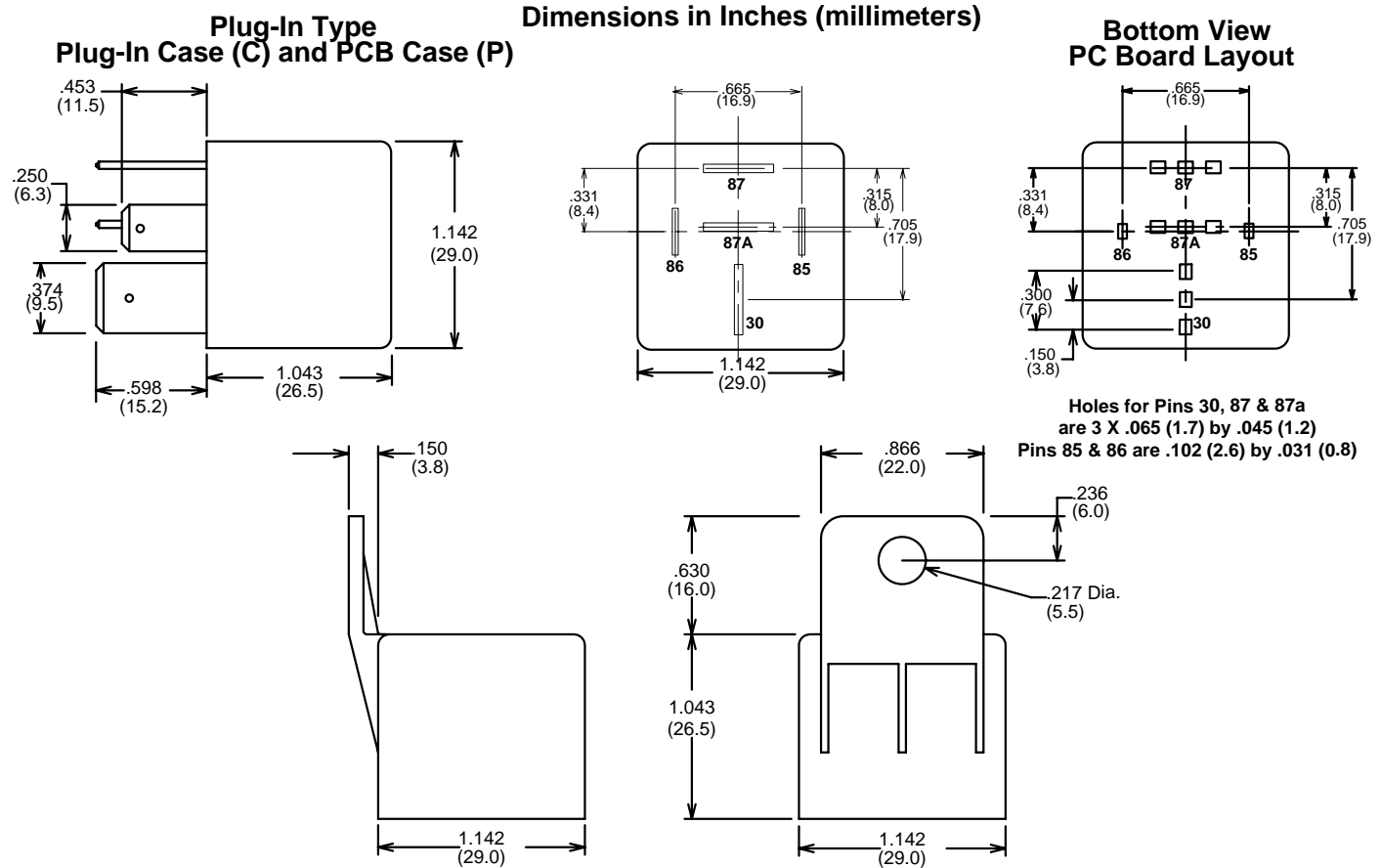
Operate Time	7 ms. typical
Release Time	2 ms. typical
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	500 Vrms, 1 min. between coil and contacts
Shock Resistance	20 g, 11ms, functional; 200 g, destructive
Vibration Resistance	DA 1.27 mm, 10 - 40 Hz; 40-70 Hz: 5 g; DA 0.5mm, 70-100 Hz; 100-500 Hz: 10 g.
Drop Resistance	1 Meter height drop on concrete in final enclosure
Power Consumption	1.8 W approx.
Ambient Temperature Range	-40 to 125 degrees C operating, -40 to 155 storage
Weight	47 grams approx.

### ORDERING INFORMATION

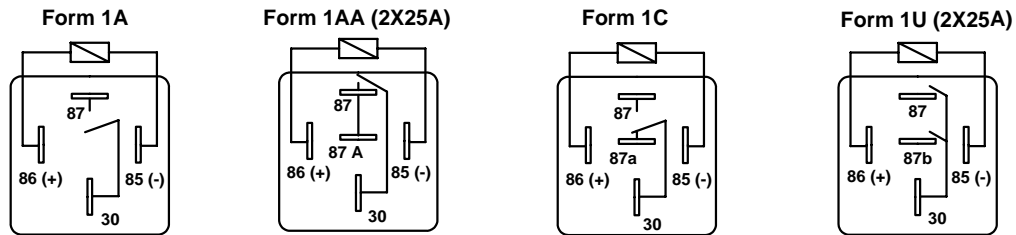
Example:	PC795	-1C	-C1	-12	S	-RN	-X
Model							
Contact Form	1A, 1C or 1U (1 form A with 2 #87 Terminals)						
Case Style	C: Plug-In; P: PCB; C1: Plastic Bracket						
Coil Voltage							
Enclosure	C: Dust Cover, S: Sealed Case						
Parallel Component	Nil: None; D: Diode; R: Resistor; N: Nickel Plated Terminals						
RoHS Compliant	Nil: Not Rohs, -X: RoHS Compliant						

**COIL DATA**

Coil Voltage	Resistance ohms ± 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
6	20	3.9	0.6	10.1
12	80	7.8	1.2	20.5
24	320	15.6	2.4	39.1



**Molded Plastic Bracket (C1)**



**Wiring Diagrams**

Notes:  
Tolerances ± .010 unless otherwise noted



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