

## Automotive Plug-In Relay With Integral Fuse

## PC798



### FEATURES

- Popular automotive relay style
- Fits standard connectors and sockets
- Contact switching capacity up to 60 Amps
- 30 Amps continuous carrying capacity
- 85 degrees C operating temperature
- 15 or 30 amp fuses available
- Will accept all standard automotive fuses

### CONTACT RATINGS

Contact Form	1 Form A
Max Switching Current	Make 60 Amps
	Break 30 Amps
Max. Switching Voltage	24 VDC
Max. Continuous Current	30 Amps
Minimum Load	0.1 A @ 12 VDC

### CONTACT DATA

Material	AgSnO (Silver Tin Oxide)	
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

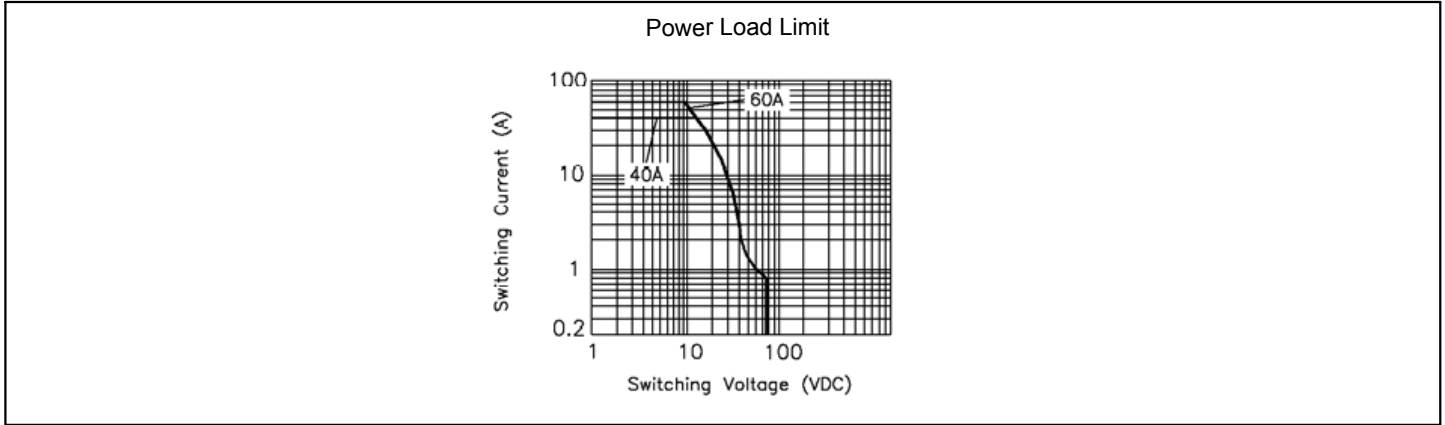
### CHARACTERISTICS

Operate Time	Less Than 7 ms.
Release Time	Less Than 5 ms.
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	750 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 85 degrees C operating, -40 to 125 storage
Weight	32 grams approx.

### ORDERING INFORMATION

Example:	PC798	-1A	-30	-12	N
Model:					
Contact Form	1A				
Fuse Rating	15: 15 Amps, 30: 30 Amps				
Coil Voltage:	6 to 24 Volts DC				
Terminal Option	Nil: None; N: Nickle Plated Terminals				

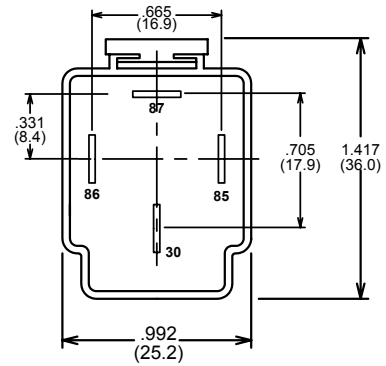
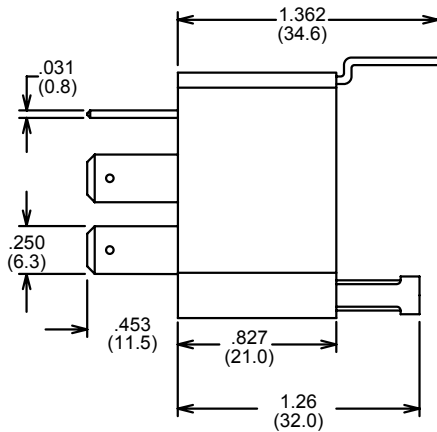
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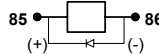
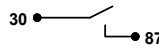
COIL DATA

Coil Voltage Code	Resistance ohms $\pm 10\%$	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
06	20	3.9	0.6	10.1
12	80	7.8	1.2	20.5
24	320	15.6	2.4	39.1

Dimensions in Inches (millimeters)



Form 1A



Wiring Diagram

Notes:

Tolerances  $\pm .010$  unless otherwise noted



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