

## 25/20 Amp Automotive Plug-In Micro ISO Relay

**PC780**



### FEATURES

- 25 Amps at 14 VDC Rating
- 75 Amps Switching Current
- Miniature Package - only 16.3 mm tall
- Micro ISO Footprint and Terminal Layout
- 100°C Operating Temperature
- RoHS Compliant

### CONTACT RATINGS 14 VDC

Contact Form	1 Form A
	Normally Open
Max Switching Current	Make 75 A
	Break 25 A
Max Switching Power	350 Watts
Max Switching Voltage	75 VDC
Max Continuous Current	25 A

### CONTACT DATA

Material	AgSnO <sub>2</sub>	
Initial Contact Resistance	50 mΩ max	
Service Life	Electrical	1 x 10 <sup>5</sup> Operations
	Mechanical	1 x 10 <sup>6</sup> Operations

### CHARACTERISTICS

Operate Time	10 ms max
Release Time	10 ms max
Insulation Resistance	20 MΩ min at 500VDC,
Dielectric Strength	500 Vrms, 50 Hz. between Contacts
	500 Vrms, 50 Hz. between contact and coil
Shock Resistance	Function: 100 m/s <sup>2</sup> 11 ms
	Survival: 1,000 m/s <sup>2</sup> 11 ms
Vibration Resistance	Function:10-100 Hz; 44.1 m/s <sup>2</sup>
	Survival:100-500 Hz; 44.1 m/s <sup>2</sup>
Power Consumption	1.07 W

### CHARACTERISTICS Continued

Terminal Strength	10N
Operating Temperature	-40°C to 100°C
Relative Humidity	95% @ 45°C
Weight	14 grams

### ORDERING INFORMATION

Example:	PC780	-1A	-12	S	-R	-X
Model:	<b>PC780</b>					
Contact Form:	<b>1A</b>					
Mounting Version :	<b>Nil:</b> Plug-In					
Coil Voltage:	<b>12</b>					
Enclosure:	<b>C:</b> Dust Cover, <b>S:</b> Sealed					
Parallel Component:	<b>Nil:</b> None; <b>R:</b> Resistor					
RoHS Compliant:	<b>-X</b>					

See SC782 for Available Sockets

Box Quantity: 500; Inner Box: 50

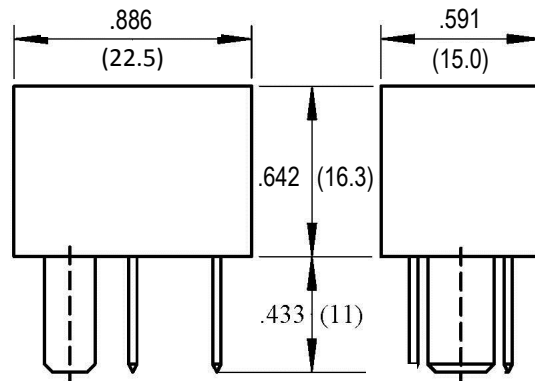
**COIL DATA**

Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (W)
Rated	Max				
12	16	135	8.0	0.6	1.07

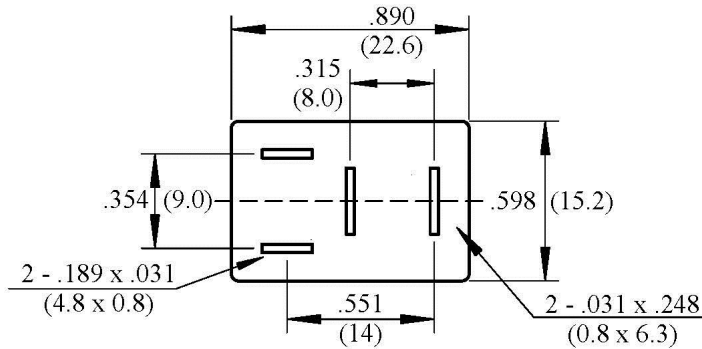
**NOTES:**

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.

**DIMENSIONS Inches/mm**

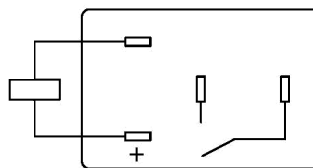


**Relay**



**1A**

**Terminal Layout (Bottom View)**



**1A**

**Wiring Diagram**