25/20 Amp Automotive Plug-In Micro ISO Relay PC780

FEATURES

- 25/20 Amps at 14 VDC Rating
- 75 Amps Switching Current
- Miniature Package - 22.6 mm x 15.2 mm x 16.2 mm
- Reduced Footprint
- Micro ISO Terminal
- 105˚ 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		$AgSnO_2$
Initial Contact Resistance		50 mΩ max
Service Life	Electrical	1 x 10^5 Operations
	Mechanical	1 x 10^7 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^2 11 ms Survival: 1000 m/s^2 11 ms
Vibration Resistance	Function:10-100 Hz; 44.1 m/s2 Survival:100-500 Hz; 44.1 m/s2
Power Consumption	800 mW

CHARACTERISTICS Continued

Terminal Strength	10N
Operating Temperature	-40 to 105°C
Relative Humidity	95%
Weight	15 grams

ORDERING INFORMATION

Example:	PC780	-1C		-12	S	-R	-X

Model: **PC780**

Contact Form: **1A**

Mounting Version : **Nil**: Plug-In

Coil Voltage: **12**

Enclosure: **C**: Dust Cover, **S**: Sealed

Parallel Component: **Nil**: None; **R**: Resistor

RoHS Compliant: **-X**

See SC782 for Available Sockets

Box Quantity: 500; Inner Box: 50

3220 Commander Drive, Suite 102 Carrollton, TX 75006
Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964
www.PickerComponents.com
e-mail: sales@pickercomponents.com

Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.

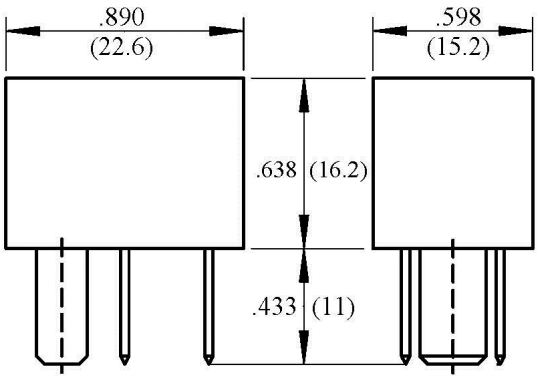
COIL DATA

Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
Rated	Max				
12	16	180	7.0	0.6	800

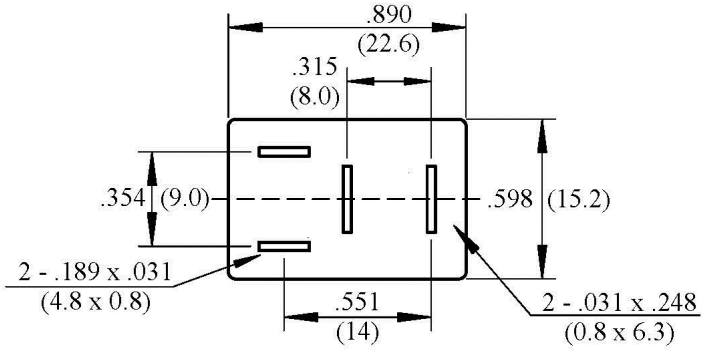
NOTES:

The use of any coil voltage less that 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

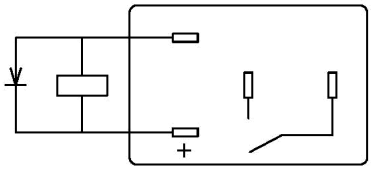


Relay



1A

Terminal Layout
(Bottom View)



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Wiring Diagram