

15 Amp Micro ISO 280 Automotive Plug-In Relay

PC781



FEATURES

- 15 Amps at 14 VDC Rating
- 80 Amp In Rush Current
- Miniature Package - 15.0 mm x 15.5 mm x 14.6 mm
- Reduced Footprint
- Micro 280 ISO Terminal
- Fully Automated Assembly
- RoHS Compliant

CONTACT RATINGS* 14 VDC

Contact Form	1 Form A
	Normally Open
Max Switching Current	80 Make
	15 Break
Min Switching Current	1 A
Max Switching Voltage	16 VDC
Max Continuous Current	15 A

*At 20° C, 85% RH

CHARACTERISTICS

Operate Time	10 ms max
Release Time	10 ms max
Insulation Resistance	10 MΩ min.
With Stand Voltage	500 VAC, 1min. Between Coil and Terminal
	500 VAC, 1 min. Between Homopolar Contact
Shock Resistance	1000 m/s ² 6 ms, Durability
	1000 m/s ² 11 ms, Malfunction
Vibration Resistance	33 Hz; 44.1 m/s ² , Durability
	33 Hz; 44.1 m/s ² , Malfunction
Power Consumption	1.1 W

CONTACT DATA

Material		Silver Alloy
Initial Contact Resistance		50 mΩ max
Service Life	Electrical	1 x 10 ⁵ Operations
	Mechanical	1 x 10 ⁶ Operations

CHARACTERISTICS Continued

Voltage Drop Between Terminals	200 mV max, 15 A
Operating Temperature	-30 to 100°C
Relative Humidity	30% to 85%
Weight	10 grams

ORDERING INFORMATION

Example:	PC781	-1A	-12	S		-R	-X
Model:	PC781						
Contact Form:	1A						
Coil Voltage:	12						
Enclosure:	S: Sealed						
Contact Material:	Nil: AgSnO ₂						
Parallel Component:	R: Resistor (1.1 K, 1/4 W)						
RoHS Compliant:	-X						

Box Quantity: 500; Inner Box: 50

COIL DATA

Coil Voltage (VDC)		Resistance (Ohms $\pm 10\%$)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (W)
Rated	Max				
12	16	132	7.5	1.0	1.1

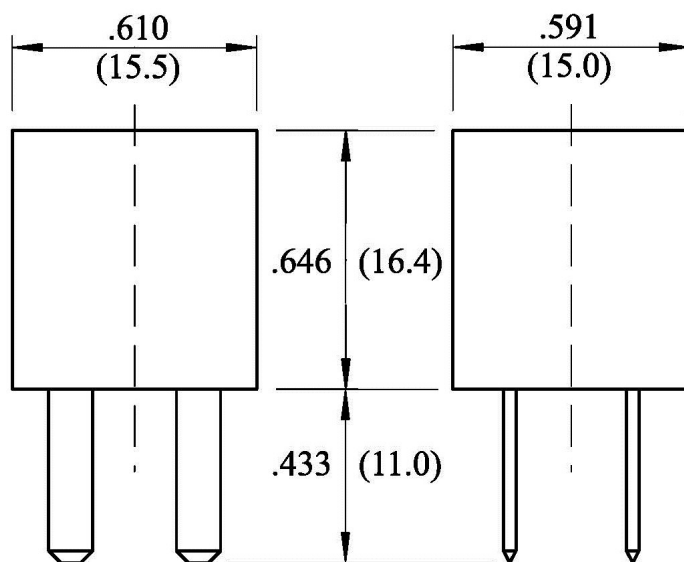
NOTES:

The use of any coil voltage less than the rated voltage will compromise the operation of the relays.

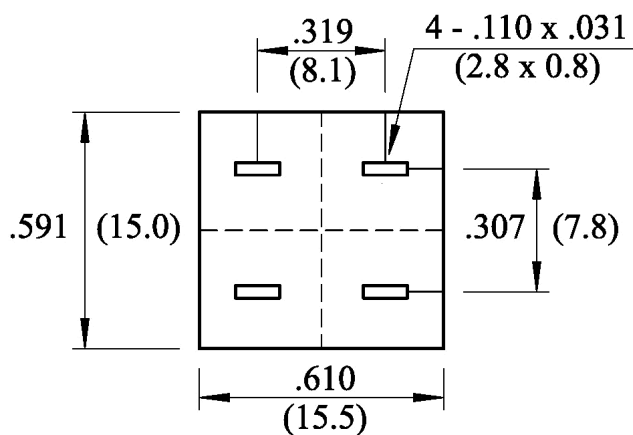
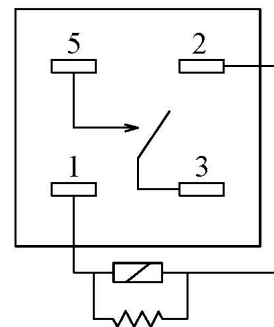
Must Operate Voltage is listed for test purposes only and is not to be used as design criteria.

Pickup and release voltages are for test purposes only and are not to be used as design criteria.

DIMENSIONS Inches/mm



Relay

Terminal Layouts
(Bottom View)

Wiring Diagrams