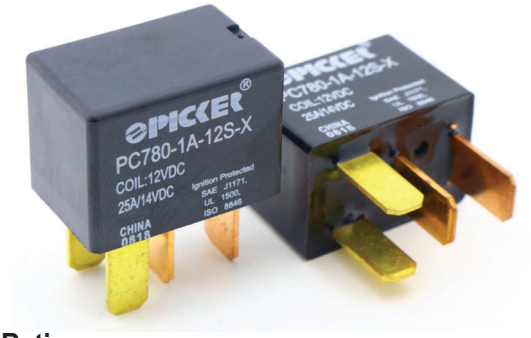
Automotive Plug-In Micro ISO Relay — PC780



FEATURES

- 25 Amps at 14VDC Rating
- Micro ISO Terminals
- 105°C Operating Temperature
- Miniature Package - 22.6 x 15.2 x 16.2 mm
- See SC782 for available sockets

RoHS COMPLIANT

UL / CUL Ratings

Contact Form	1A SPST N.O.
Contact Rating	25A @ 14VDC, resistive 12A @ 28VDC, resistive

CONTACT DATA

Maximum Switching Power		350 W
Maximum Switching Voltage		48 VDC
Maximum Continuous Current		25 A
Material		$AgSnO_2$
Initial Contact Resistance		50 mΩ max.
Service Life	Mechanical	1 x 10^7 operations
	Electrical	1 x 10^5 operations

CHARACTERISTICS

Insulation Resistance	20 MΩ min. at 500 VDC
Dielectric Strength	500 Vrms, 50 Hz, between contacts 500 Vrms, 50 Hz, between coil & contacts
Power Consumption	1.1 W
Terminal Strength	10N
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40ºC to 105ºC
Storage Temperature	-40ºC to 105ºC
Shock Resistance	100 m/s^2 11 ms
Vibration Resistance	10 Hz - 100 Hz; 44.1 m/s2
Weight	15g

ORDERING INFORMATION

Example		PC780	-1A		-12	C	-R	-X
Model:	PC780							
Contact Form:	1A							
Mounting Version:	Nil = Plug-In							
Coil Voltage	12							
Enclosure	C = Dust Cover S = Sealed S1 = Flux Tight (1)							
Parallel Component	Nil = None R = Resistor (680 Ohms)							
RoHS Compliant	-X							

(1) Flux Tight relays are constructed such that Flux will not enter the relay in an automated soldering process, they are NOT suitable for water wash cleaning.

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the applicaiton. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

14680 James Road, Rogers, MN 55374 USA
Sales (763) 535-2339
www.PickerComponents.com
email: sales@PickerComponents.com

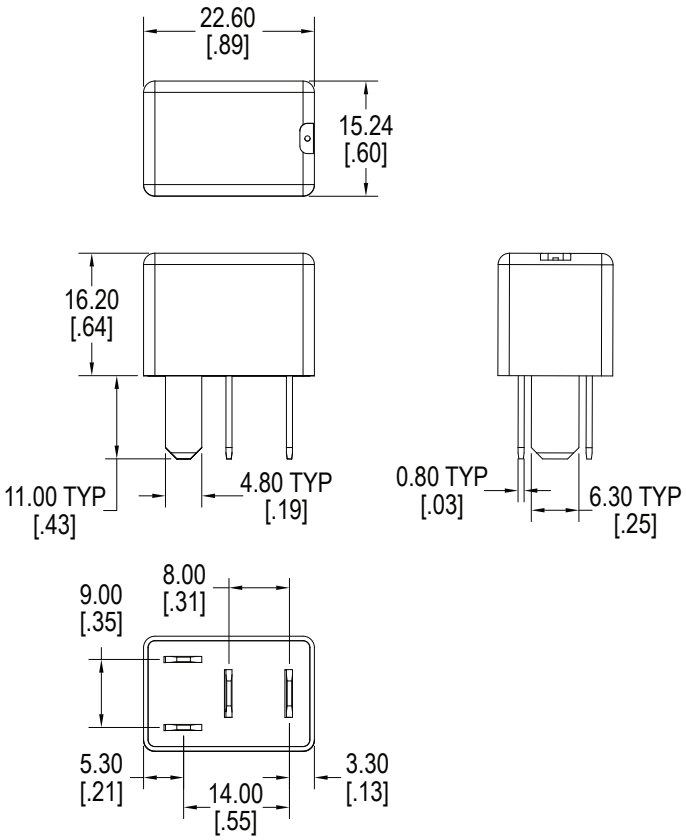
Dimensions are shown for reference purposes only.
PC780 Rev O 12/2020

Specifications and availability subject to change without notice.

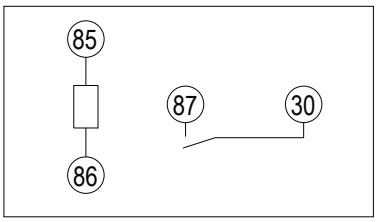
COIL DATA

Coil Voltage		Resistance (Ohms ± 10%)	Pick Up Voltage Max. VDC	Release Voltage Min. VDC	Coil Power W	Operate Time ms	Release Time ms
Rated	Maximum						
12	15.6	180	7.8	1.2	.80	10	10

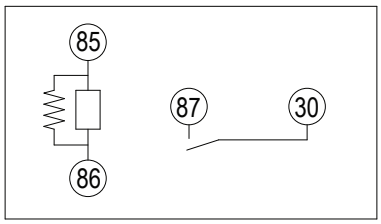
DIMENSIONS *mm (inches)*



SCHEMATICS *Bottom View*



1A



1A with resistor

14680 James Road, Rogers, MN 55374 USA
Sales (763) 535-2339
www.PickerComponents.com
email: sales@PickerComponents.com

Dimensions are shown for reference purposes only.
PC780 Rev O 12/2020