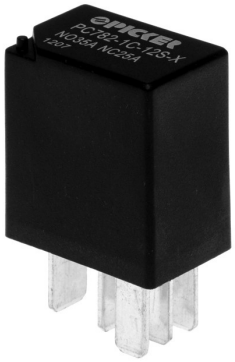
35 Amp Micro ISO Automotive Plug In / PCB Relay — PC783



FEATURES

- Micro Size Plug-In Design
- 1A and 1C Contact Forms Available
- Contact Switching Capacity up to 105 Amps
- 35 Amps Continuous Carrying Current
- 125^{0}C Operating Temperature
- PC Board Version Available
- Internal Diodes or Resistors Available
- Compatible with Socket SC782

CONTACT RATINGS 14 VDC at 25^{0}C

Contact Form	1 Form A or 1 Form C	
	Normally Open	Normally Closed
Max Switching Current	Make 105 A(1)	Make 75 A(1)
	Break 35 A	Break 25 A
Max Continuous Current	35 A	25 A
Max Switching Voltage	75 VDC	
Max. Switching Power	490 W	
Minimum Load	0.1A @ 12 VDC	

CONTACT RATINGS 28 VDC at 25^{0}C

Contact Form	1 Form A or 1 Form C	
	Normally Open	Normally Closed
Max Switching Current	Make 52.5 A(1)	Make 37.5 A(1)
	Break 17.5 A	Break 12.5 A
Max Continuous Current	17.5 A	12.5 A
Max Switching Voltage	75 VDC	
Max Switching Power	490 W	
Minimum Load	0.1A @ 24 VDC	

CHARACTERISTICS

Operating Time	10 msec Max
Release Time	7 msec Max
Insulation Resistance	100 MΩ Min at 500VDC
Dielectric Strength	500 V, 50 Hz Between Contacts 1,000 V, 50 Hz Between Contact and Coil
Shock Resistance	100 m/s^2 11ms
Vibration Resistance	10 Hz—40 Hz Double Amplitude 1.27 mm
Terminal Strength	8N 4N (PC type)
Power Consumption	1.2 W, 1.5 W

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 Continued

Solderability	235°C ± 2°C 3 s ± 0.5 s
Operating Temperature Range	- 40 to 125°C
Storage Temperature Range	- 40 to 155°C
Weight	18.5 g

(1)With current load applied for a maximum of .5 seconds at a maximum duty cycle of 10%.

ORDERING INFORMATION

Example: PC783 -1C -P -12 S -R -X

Model: **PC783**

Contact Form: **1A,** or **, 1C**

Mounting Version: **Nil**: Plug-In; **P**: PCB

Coil Voltage: **6, 12, 24, 48**

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

Coil Power: **Nil**: 1.2 W*; **1.5**: 1.5 W

Parallel Component: **Nil:** None; **D:** Diode, R: Resistor

RoHS Compliant: **-X**

*1.2 W is Industry Standard

See SC782 for Available Sockets

Box Quantity: 1,000; Inner Box: 500

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.

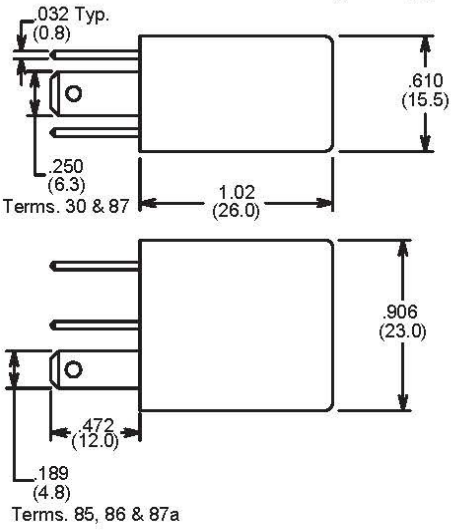
COIL DATA

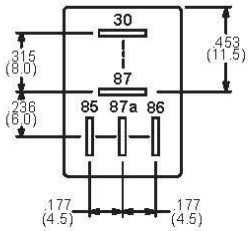
Coil Voltage (VDC)		Coil Resistance Ohms ± 10%)		Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)
Rated	Max	1.2 W*	1.5 W		
6	7.8	30	24	4.2	0.6
12	15.6	120.0	96	8.4	1.2
24	31.2	480.0	384	16.8	2.4
48	62.4	1920.0	1536	33.6	4.8

*1.2 W is Industry Standard

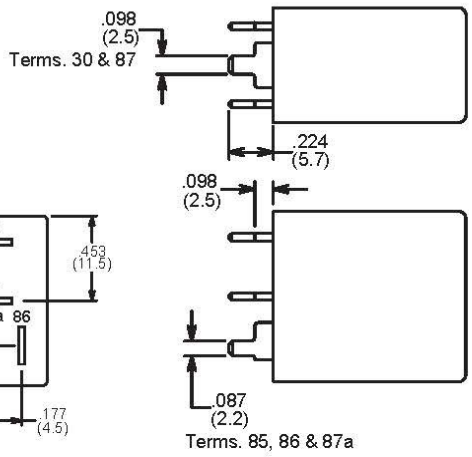
Dimensions in Inches (millimeters)

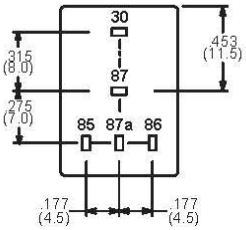
Plug-In Type





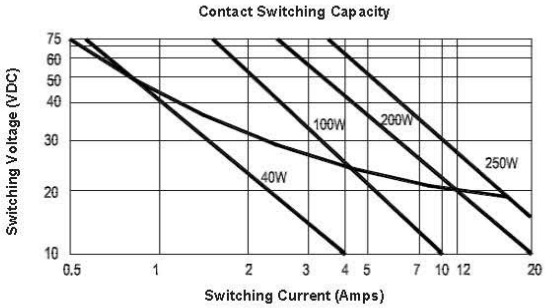
PCB Type

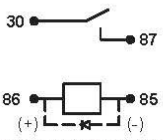




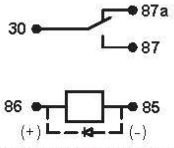
Bottom View
PC Board Layout

Reference Data





Wiring Diagram
Form 1A



Wiring Diagram
Form 1C

Maximum make current refers to inrush of a lamp load
Make current of 120 Amps permissable with AgSnOInO contacts
In 85 degree C ambient reduce maximum coil voltage to 72%

PICKER COMPONENTS

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