

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

UL / CUL Ratings

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

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	-40°C to 105°C			
Storage Temperature	-40°C to 105°C			
Shock Resistance	100 m/s ² 11 ms			
Vibration Resistance	10 Hz - 100 Hz; 44.1 m/s2			
Weight	15g			

CONTACT DATA

Maximum Switch	ning Power	350 W		
Maximum Switch	ning Voltage	48 VDC		
Maximum Contir	nuous Current	25 A		
Material		AgSnO ₂		
Initial Contact Re	esistance	50 mΩ max.		
Service Life	Mechanical	1 x 10 ⁷ operations		
	Electrical	1 x 10 ⁵ operations		

ORDERING INFORMATION

Example	PC	C780	-1A		-12	С	-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 Ohr	ms)					•	
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.

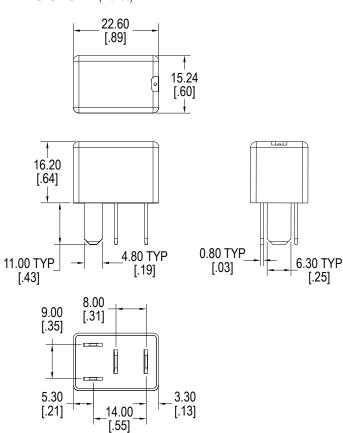
Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application.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



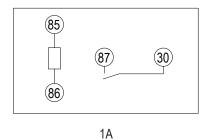
COIL DATA

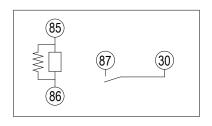
Coil V	oltage	Resistance	Pick Up Voltage Max.	Release Voltage Min.	Coil Power	Operate Time	Release Time
Rated	Maximum	(Ohms ± 10%)	VDC	VDC	W	ms	ms
12	15.6	180	7.8	1.2	.80	10	10

DIMENSIONS mm (inches)



SCHEMATICS Bottom View





1A with resistor