30 Amp Automotive Plug-In Relay with Integral Fuse   PC798

FEATURES

- Popular Automotive Relay Style
- Fits Standard Connectors and Socket SC792
- Contact Switching Capacity Up to 60 Amps
- 30 Amps Continuous Carrying Capacity
- 15 or 30 Amp Fuses Options
- RoHS Compliant

CONTACT RATINGS 14 VDC FOR 30 A VERSION

Contact Form	1 Form A
	Normally Open
Max Switching Current	30 A
Max Continuous Current	30 A
Max Switching Voltage	75 VDC
Max. Switching Power	420 W
Minimum Load	0.1A @ 12 VDC

CONTACT RATINGS 28 VDC FOR 30 A VERSION

Contact Form	1 Form A
	Normally Open
Max Switching Current	15 A
Max Continuous Current	15 A
Max Switching Voltage	75 VDC
Max Switching Power	420 W
Minimum Load	0.1A @ 24 VDC

CHARACTERISTICS

Operate Time	7 msec Max.
Release Time	5 msec Max.
Insulation Resistance	100 MΩ Min at 500VDC, 50% RH
Dielectric Strength	500 V 50 Hz Between Contacts 750 V 50 Hz Between Coil and Contact
Shock Resistance	147 m/s^2 11ms
Vibration Resistance	10 Hz—40 Hz Double Amplitude 1.27 mm
Terminal Strength	8N
Power Consumption	1.8 W
OperatingTemperature Range	- 40 to 105°C
Storage Temperature Range	- 40 to 125°C
Weight	32 grams
Flammability	UL-94-VO Meets FMVSS 302

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

ORDERING INFORMATION

Example:		PC798		-1A	-C2	-12	C	-N	-X

Model:	**PC798**
Contact & Fuse Rating:	**Nil**: 30 A; **B**: 15 A
Contact Form:	**1A**
Case Style:	**C2**: Metal Bracket
Coil Voltage:	**6, 12, 24**
Enclosure:	**C**: Dust Cover
Terminal Plating:	**N**: Tin
RoHS Compliant:	**-X**

Box Quantity: 400; Inner Box: 100

Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.

COIL DATA

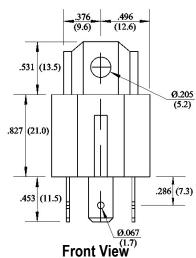| Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Power Consumption (W)
Rated	Max				
6	7.8	20	3.9	1.2	
12	15.6	80	7.8	2.4	1.8
24	31.2	320	15.6	4.8	

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.
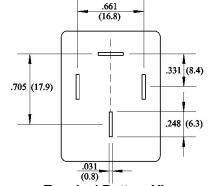Dimensions are in mm, Inches are listed for reference only.

DIMENSIONS in Inches/mm

Side View

Front View

Wire Diagram

Terminal Bottom View

REFERENCE CURVE

Power Load Limit

Specifications and Availability subject to change without notice.