

80/60 Amp Automotive Plug-In / PCB Maxi ISO Relay

PC695



FEATURES

- Most Popular Automotive Relay
- 1A, 1C Contact Forms Available
- Contact Switching Capacity up to 140 Amps
- 80 Amps @ 14VDC Continuous Carrying Current
- Plain Case with Plastic or Metal Bracket or PCB Options
- Compatible with Socket SC795
- Lead Free and RoHS Compliant

CONTACT RATINGS 14 VDC at 25°C

Contact Form	1 Form A or 1 Form C	
	Normally Open	Normally Closed
Max Switching Current	Make 160 A	Make 100 A
	Break 60 A	Break 60 A
Max Switching Power	1,120 W	
Max Switching Voltage	75 VDC	
Max Continuous Current	80 A	60 A
Minimum Load	0.5A @ 12VDC	

CONTACT RATINGS 28 VDC at 25°C

Contact Form	1 Form A or 1 Form C	
	Normally Open	Normally Closed
Max Switching Current	Make 80A	Make 50 A
	Break 30 A	Break 30 A
Max Switching Power	1,120 W	
Max Switching Voltage	75 VDC	
Max Continuous Current	40 A	30 A
Minimum Load	0.5A @ 12VDC	

CHARACTERISTICS

Operate Time	10 msec Typical
Release Time	7 msec Typical
Insulation Resistance	100 MΩ min @ 500VDC
Dielectric Strength	50 Hz 750V _{RMS} 1 min. Between Contact and Coil
	50 Hz 500V _{RMS} 1 min. Between Contacts
Shock Resistance	294 m/s ² 11 msec
Vibration Resistance	10 - 55 Hz Double Amplitude, 3mm
Terminal Strength	100 N
Solderability	260°C for 5 seconds
Power Consumption	1.6 W, 1.8 W
Relative Humidity	85% at 40°C

* Sealed with 6,12 or 24 VDC, 1.6 and 1.8 Watt Coil Versions.

CONTACT DATA

Material	AgSnO ₂	
Initial Contact Resistance	≤ 20mΩ initial	
Service Life	Electrical	1 x 10 ⁵ Operations
	Mechanical	1 x 10 ⁷ Operations

CHARACTERISTICS CONTINUED

Operating Temperature	-40°C to +125°C
Storage Temperature	-40°C to +155°C
Weight	47 grams

ORDERING INFORMATION

Example:

Model: **PC695**

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

Case Style: **C:** Plug-In; **C1:** Plastic Bracket; **C2:** Metal Bracket

P: PCB; **P1:** PCB w/Plastic Bracket; **P2:** PCB w/Metal Bracket

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

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

Coil Power: **Nil:** 1.8W, **1.6:** 1.6W

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

Terminal Plating **N:** Nickel Plated Terminals Standard on all Plug in Models; **Nil:** PC Pin Version

RoHS Compliant: **-X**

PC695 -1C -C -12 S -D N -X

See SC795 for available sockets

Coil Options

Resistor Values:

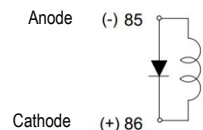
6V - 180 ohm

12V - 680 ohm

24V - 2,700 ohm

Diode: 1N4005

Orientation of Optional Diode



*Contact Picker if You Require the Opposite Polarity or a Dual Diode

Box Quantity: 400; Inner Box: 100

