

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					
Contact Form	Normally Open	Normally Closed				
Max Switching Current	Make 160 A	Make 100 A				
Max Switching Current	Break 60 A	Break 60 A				
Max Switching Power	1,120	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 Forms	1 Form A	1 Form A or 1 Form C					
Contact Form	Normally Open	Normally Closed					
May Cyvitabia a Cymant	Make 80A	Make 50 A					
Max Switching Current	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 (0 12VDC					

CHARACTERISTICS

OHARAGIERIOTIOO								
Operate Time	10 msec Typical							
Release Time	7 msec Typical							
Insulation Resistance	100 MΩ min @ 500VDC							
Diologtria Strongth	50 Hz 750V _{RMS} 1 min. Between Contact and Coil							
Dielectric Strength	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							
Relative Humidity	***************************************							

CONTACT DATA

Material		AgSnO ₂				
Initial Contact Re	sistance	≤ 20mΩ initial				
Service Life	Electrical	1 x 10 ⁵ Operations				
	Mechanical	1 x 107 Operations				

CHARACTERISTICS CONTINUED

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

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

ORDERING INFORI	MATION	PC695	l -1C	l -c	l-12	sl	.	-D	N	-X
Model:	PC695									
Contact Form:	1A, 1C									
Case Style:	C: Plug-In; C1: Plastic Bracket; C2: Meta	l Bracket		=						
	P: PCB; P1: PCB w/Plastic Bracket; P2: I	PCB w/Me	tal Bra	cket						
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	N: Nickel Plated Terminals Standard on all Plug in Models; Nil: PC Pin Version								
RoHS Compliant:	-X	•								

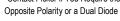
Box Quantity: 400; Inner Box: 100

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 Anode

Cathode (+)86*Contact Picker if You Require the

www.PickerComponents.com





20550 Commerce Blvd, Rogers, MN 55374 USA

Sales: (763) 535-2339

e-mail: sales@pickercomponents.com Specifications and Availability subject to change without notice.

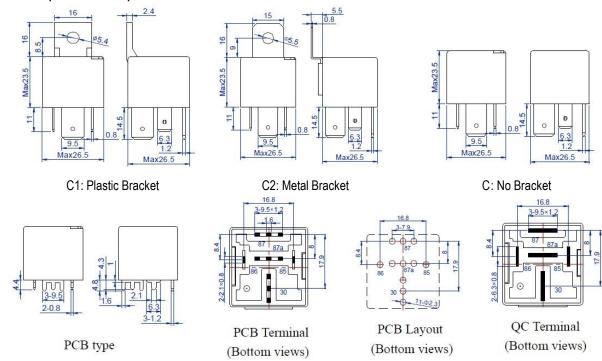
COIL DATA

		Must Must		Resistor	Coil Resistance (Ohms ± 10%)				Coil Power (W)			
Coil Voltage (VDC)		Operate Voltage Max	Release Voltage Min.	Values (Ohms ±	without Resistor With		With Re	With Resistor Withou		Resistor	With Resistor	
Rated	Max	(VDC)	(VDC)	10%)	1.8 W**	1.6 W	1.8 W**	1.6 W	1.8 W**	1.6 W	1.8 W** 1.6 W	
6	7.8	3.9	0.6	180	20	22.5	18	20	1.8			
12	15.6	7.8	1.2	680	80	90	72	79		1.0	_	4.0
24	31.2	15.6	2.4	2700	320	360	286	318		1.6	2	1.8
48	62.4	31.2	4.8	10000	1280	1,440.00	1135	1259				

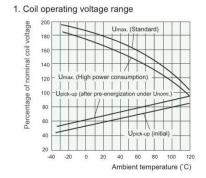
NOTES:

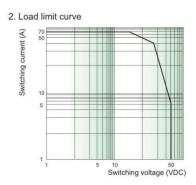
The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage and Release Voltages are for test purposes only and are not to be used as design criteria.

DIMENSIONS (mm / inches)

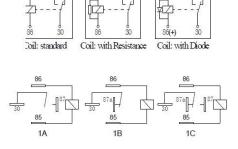


REFERENCE DATA





WIRING DIAGRAM



www.PickerComponents.com