

40/40 Amp Automotive Plug-In / PCB Mini ISO Relay - Ignition Protected

PC792B



CONTACT RATINGS 14 VDC at 25°C

901117101 181111100 11 1B0 41 20 0				
Combook Forms	1 Form A, 1 Form AA or 1 Form C			
Contact Form	Normally Open	Normally Closed		
May Cuitabing Current	Make 120 A ⁽¹⁾	Make 120 A ⁽¹⁾		
Max Switching Current	Break 40 A	Break 40 A		
Man Oantinoon Oomaat	40 A @ 25°C	40 A @ 25°C		
Max Continuous Current	30 A @ 85°C	30 A @ 85°C		
Max Continuous Current 1 Form U and 1 Form AA	2 X 20 Amps (at 85°C)			
Max Switching Voltage	75 VDC			
Max. Switching Power	630 W			
Minimum Load	0.1A @ 12 VDC			

CHARACTERISTICS

7 msec Typical
2 msec Typical
100 MΩ Min at 500VDC, 50% RH
500 Hz 500 V Between Contacts
147 m/s ² 11ms
10 Hz—40 Hz Double Amplitude 1.5 mm
8N 4N (PC type)
1.6 W, 1.9 W, 2.3 W, 2.6 W

^{*}Sealed with 6,9,12 or 24 VDC, 1.6 Watt Coil Versions

FEATURES

- Ignition Protected* | SAE J1171 | UL 1500 | ISO 8846
- Copper Contact Leads for Enhanced Heat Dissipation
- Contact Switching Capacity up to 120 Amps
- 40 Amps Continuous Carrying Current
- 125°C Operating Temperature
- Internal Diodes or Resistors Available
- Sockets Available
- Lead Free and RoHS Compliant

CONTACT RATINGS 28 VDC at 25°C

Comtact Form	1 Form A, 1 Form AA or 1 Form C		
Contact Form	Normally Open	Normally Closed	
Max Switching Current	Make 60 A ⁽¹⁾	Make 60 A ⁽¹⁾	
	Break 20 A	Break 20 A	
Mary Oardingson Ogganit	20 A @ 25°C	20 A @ 25°C	
Max Continuous Current	15 A @ 85°C	15 A @ 85°C	
Max Continuous Current 1 Form U and 1 Form AA	2 X 15 Amps (at 85°C)		
Max Switching Voltage	75 VDC		
Max Switching Power	630 W		
Minimum Load	0.1A @ 24 VDC		

CONTACT DATA

Material		AgSnO₂		
Initial Contact Resistance		100 MΩ Max @ 0.1 A 6 VDC		
Service Life	Electrical	1 x 10⁵ Operations		
	Mechanical	1 x 10 ⁷ Operations		

CHARACTERISTICS Continued

Solderability	260°C for 5 seconds
Operating Temperature Range	- 40°C to 125°C
Storage Temperature Range	- 40°C to 155°C
Weight	31 grams

(1) With current load applied for a maximum of 3 seconds at a maximum duty cycle of 10%.

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ORDERING INFORMATION Example: PC792B -1C Model: PC792B Contact Form: 1A, 1AA (1 Form with 2 #87 Terminals) 1C, 1U (2 X 1A, 87 & 87b Isolated) Case Style: C: Plug-In; C1: Plastic Bracket; C2: Metal Bracket

C3: (S only) Weatherproof Case with Metal Brackets;

P: PC Pins

Coil Voltage: 6, 12, 24, 48

Enclosure: C: Dust Cover; S: Sealed

Coil Power: Nil: 1.6 W(2); 1.9: 1.9 W; 2.3: 2.3 W; 2.6: 2.6 W

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

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

RoHS Compliant: -X

(2) 1.6 W Industry Standard Coil

Box Quantity: 400; Inner Box: 100

3220 Commander Drive, Suite 102 Carrollton, TX 75006

Fax: (972)735-0964

1 of 2

-C

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S

www.PickerComponents.com e-mail: sales@pickercomponents.com

See SC792 for

available sockets

Resistor Values (1/4 Watt):

6V -180 ohm

12V - 680 ohm

Diode: 1N4005

24V - 2.700 ohm

Specifications and Availability subject to change without notice.

Sales: (972) 713-6272

(888) 997-3933

Dimensions are listed for reference purposes only.

PC792B C 8/21/2018

PC792B ______ PC792B

COIL DATA

	/oltage DC)	Coil Resistance (Ohms ± 10%)		Must Operate Voltage Max	Must Release Voltage Min.		
Rated	Max	1.6 W ⁽²⁾	1.9 W	2.3 W	2.6 W	(VDC)	(VDC)
6	7.8	22.5	19.0	15.6	13.8	3.9	0.6
9	11.7	50.6	NA	NA	NA	5.9	0.9
12	15.6	90.0	75.8	62.6	55.4	7.8	1.8
24	31.2	360.0	303.2	250.4	221.5	15.6	2.4
48	62.4	1,440.0	NA	NA	NA	31.2	4.8

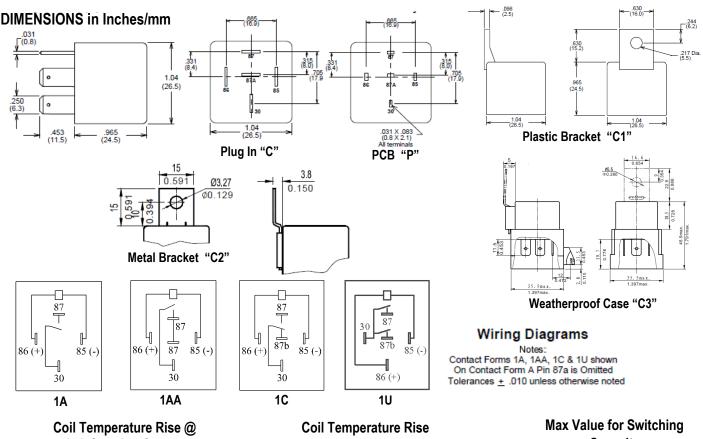
(2) 1.6 W Industry Standard Coil

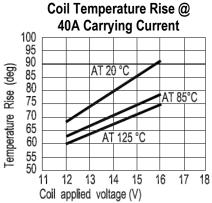
NOTES:

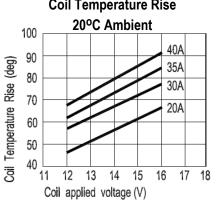
The use of any coil voltage less that the rated voltage will compromise the operation of the relays.

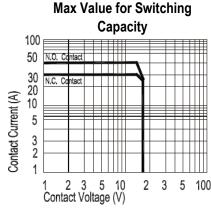
Must Operate Voltage is listed for test purposes only and is not to be used as design criteria.

Pickup and release voltages are for test purposes only and are not to be used as design criteria.









PICKER COMPONENTS 3220 Commander Drive, Suite 102 Carrollton, TX 75006

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