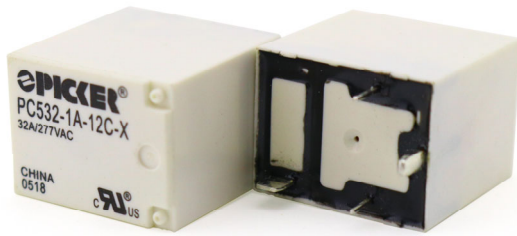


32 Amp Subminiature PCB Power Relay

PC532



UL / CUL Ratings

cULus Pending

Contact	Normally Open
Resistive	32 A at 277 VAC
Incandescent Lamp	6,000 Watts

Note: In High Steady State Current Applications, Additional Heat Sinking on the PCB may be Required (i.e. Heavier Copper, Wider Traces or Top and Bottom Side Expanded PCB Traces with Plated Through Holes)

CHARACTERISTICS

Operate Time	Less than 15 ms
Release Time	Less than 10 ms
Insulation Resistance	100 MΩ min, at 500 VDC
Dielectric Strength	50/60 Hz 1,000 V, Between Contacts 50/60 Hz 4,000 V, Between Contact and Coil
Shock Resistance	10G
Vibration Resistance	10 - 55 Hz, DA 1.0 mm
Power Consumption	2.8 W
Terminal Strength	5N
Solderability	260 °C for 5 seconds
Operating Temperature	- 40°C to 85°C
Storage Temperature	- 40°C to 155°C
Relative Humidity	93% at 40°C
Weight	16 grams
Material Compliant To	EU RoHS V2, EU REACH V3

FEATURES

- 32 A at 277 VAC Contact Rating
- ≥ 2.1 mm Contact Gap Conforms with European Photovoltaic Standard IEC 62109-1 and VDC 0126
- Coil Power 2.8 Watts, Can be Reduced to 313 mW for Power and Heat Savings
- 4,000 V Dielectric
- Class "F" Insulation Standard - 85°C Operating Temp
- Popular "Sugar Cube" Footprint
- RoHS Compliant

Applications

- Photo Voltaic Systems (PV Inverter), Motor Controls, Compressors, Appliances

CROSS REFERENCE

Song Chuan 110
Example: 110H-1AH1-FC-12 Crosses to PC532-1A-12S1-X

CONTACT DATA

Maximum Switching Power		8,864 VA
Maximum Switching Voltage		360 VAC
Maximum Switching Current		32 A
Contact Gap Conforms with European Photovoltaic Standard IEC 62109-1 and VDC 0126		
Material		AgSnO ₂
Initial Contact Resistance		100 milliohms max @ 0.1 A, 6 VDC
Service Life	Mechanical	5 X 10 ⁵ Operations
	Electrical	1 X 10 ⁴ Operations

ORDERING INFORMATION

Example:	PC532	-1A	-12	C				-X
Model:	PC532							
Contact Form:	1A							
Coil Voltage:	9, 12, 24							
Enclosure:	C: Dust Cover	S1 ⁽¹⁾ : Flux Free						
Coil Power:	Nil: 2.8 W							
Insulation System:	Nil: Class F							
Contact Material:	Nil: AgSnO							
RoHS Compliant:	-X							

Box Quantity 2000: Inner Box 1000

(1) Flux Free Version Available 2Q2020

EPICKER 14680 James Road, Rogers, MN 55374 USA
Sales: (763) 535-2339

Dimensions are listed for reference purposes only.
PC532 Rev D 06/28/2018

www.PickerComponents.com

e-mail: sales@pickercomponents.com

Specifications and Availability subject to change without notice.

COIL DATA

Coil Voltage (VDC)		Coil Power - 2.8 W	Must Operate	Must Release	Holding Voltage ⁽²⁾	Coil Power at Rated and Holding Voltage
		Resistance ohms ± 10%	Voltage Max ⁽¹⁾ (VDC)	Voltage Min (VDC)	36% of Coil Voltage (VDC)	
Rated	Max					
9	11.7	28.9	6.75	0.9	3.2	2.8 Watts / 363 mW
12	15.6	51.4	9.00	1.2	4.3	
24	31.2	205.7	18.0	2.4	8.6	

NOTES:

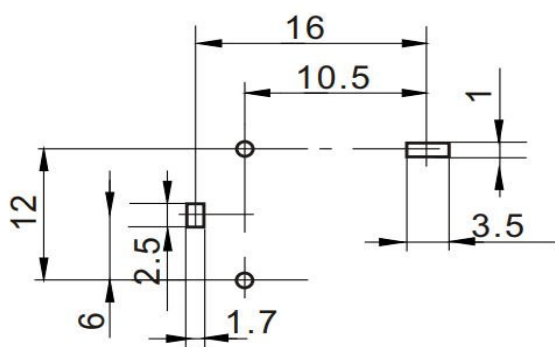
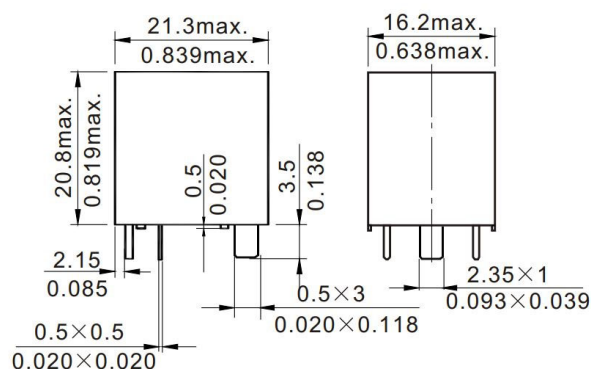
- The use of any coil voltage less than the rated voltage will compromise the operation of the relays.
- Must Operate Voltage is listed for test purposes only and is not to be used as design criteria.

(1) To properly operate the relay, 100-125% of the Must Operate Coil Voltage must be applied for a minimum of 200 msec.

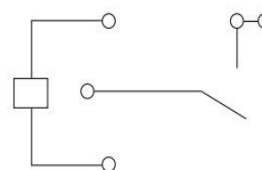
(2) The Coil Holding Voltage may be used after applying the Rated Coil Voltage for a minimum of 200msec

DIMENSIONS (mm/inches)

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



Mounting(Bottom view)



Wiring diagram (Bottom view)