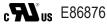


# 30 Amp Power Relay



**PC730** 



- 1/4 Inch Male Quick Connect Terminals
- Up to 30 Amp Switch Capacity
- Up to 1½ Horsepower Rating
- Smallest 30 Amp 2 Pole Rating
- Top or Side Flanged Case or PC Mounting
- 2A or 2C Contact Configuration

# UL / cUL RATINGS

Contact Form	2A DPST N.O.		
	2C DPDT		
Rated Load	Voltage	Amps	
General Purpose, 6K cycles, 40°C	250VAC	30A	
General Purpose, 6K cycles, 40°C	277VAC	20A	
General Purpose, 6K cycles, 40°C	28VDC	20A	
Resistive, 6K cycles, 40°C	250VAC	30A	
Resistive, 6K cycles, 40°C	277VAC	20A	
1-½ hp	240VAC		
1 hp	120VAC		

#### **CHARACTERISTICS**

Insulation Resistance	500 MΩ min. at 500 VDC
Dielectric Strength	1500 Vrms, between contacts
	2500 Vrms, between coil & contacts
Power Consumption	DC Coil : 1.8W; AC Coil : 4VA
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Shock Resistance	10g functional
Vibration Resistance	2mm double amplitude 10~55Hz
Weight	70g

#### **CONTACT DATA**

Maximum Switching Power	7500 VA	
Maximum Switching Voltage	300VAC, 36VDC	
Maximum Continuous Current	30 A	
Material	AgCdO	
Initial Contact Resistance	100 mΩ max.	
Service Life Mechanical	1 x 10 <sup>7</sup> operations	
Electrical	1 x 10 <sup>5</sup> operations	

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

#### ORDERING INFORMATION

Example		PC730	-2C	-C1	-120A	
Model:	PC730					
Contact Form:	2A 2C					
Mounting Version:	C1 = Side Flange C3 = Top Flange P = PC Pins			•		
Coil Voltage:	12A = 12VAC 24A = 24VAC 48A = 48VAC 120A = 120VAC 208A = 208VAC 220A = 220VAC 277A = 277VAC	12D = 12VDC 24D = 24VDC 48D = 48VDC 110D = 110VDC				
RoHS Compliance:	Nil = RoHS Comp	liant				
Insulation:	Nil = Class B					



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30 Amp Power Relay PC730

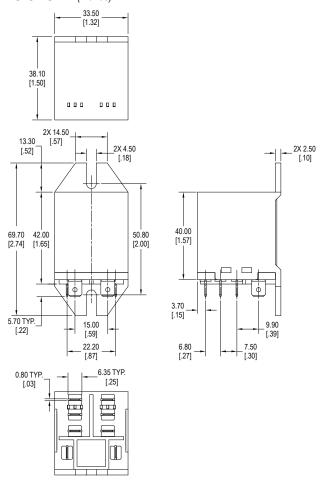
# **COIL DATA**

Voltage Type	Coil Voltage		Resistance	Must Operate Voltage Max	Must Release Voltage Min
Coil Power	Rated	Max	Ω ± 10%	(VDC)	(VDC)
D0	12	13.2	72	9	1
DC 1.8W	24	26.4	288	18	2
1.5	48	52.8	1152	36	5

NOTE: 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 are are not to be used as design criteria.

Voltage Type	Coil V	oltage	Resistance	Must Operate Voltage Max	Must Release Voltage Min
Coil Power	Rated	Max	Ω ± 10%	(VAC)	(VAC)
	12	13.2	13	9.6	4
	24	26.4	48	19	7
	48	52.8	202	38	14
AC	120	132	1206	96	36
4.0VA	208	228	3623	166	62
	220	242	4235	176	66
	240	264	4824	192	72
	277	305	5683	222	83

### **DIMENSIONS** mm (inches)

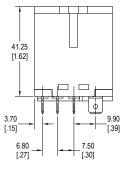


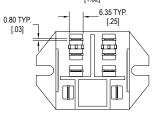
51.50 [2.03] 40.00 [1.57]

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2X 4.50 [.18]

> 2X 3.25 [.13]





C3 - Top Flange

C1 - Side Flange

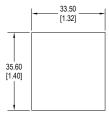


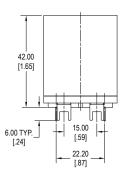
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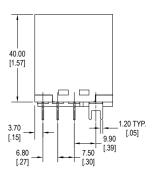
www.PickerComponents.com email: sales@PickerComponents.com

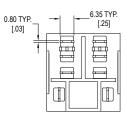
30 Amp Power Relay PC730

## **DIMENSIONS** mm (inches)



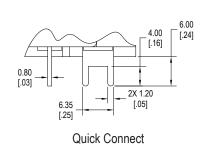


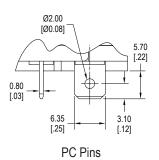




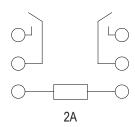
P - PC Terminal

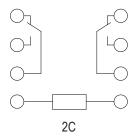
### TERMINALS mm (inches)





### **SCHEMATICS** Bottom Views





## **PC LAYOUT**

