30 Amp Power Relay

c UL us E86876 **PC730**

FEATURES

- ¼ 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

ROHS COMPLIANT

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	-40ºC to 85ºC
Storage Temperature	-40ºC to 85ºC
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 10^7 operations
	Electrical	1 x 10^5 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 applicaiton. 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 240A = 240VAC 277A = 277VAC	12D = 12VDC 24D = 24VDC 48D = 48VDC 110D = 110VDC			
RoHS Compliance:	Nil = RoHS Compliant				
Insulation:	Nil = Class B				

20550 Commerce Blvd, Rogers, MN 55374 USA
Sales (763) 535-2339
www.PickerComponents.com
email: sales@PickerComponents.com

Dimensions are shown for reference purposes only.
PC730 Rev F 02/2025

Specifications and availability subject to change without notice.

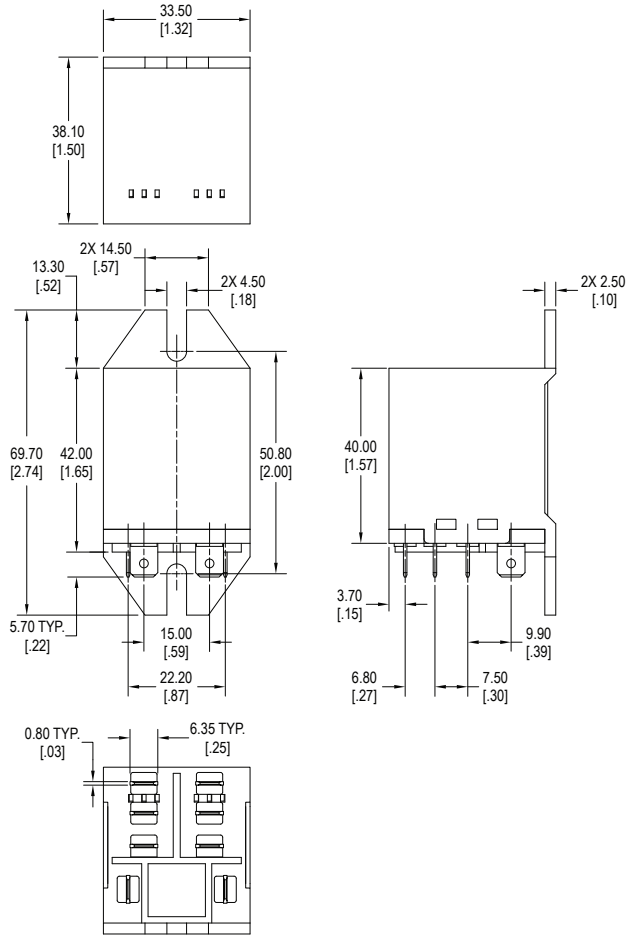
COIL DATA

Voltage Type / Coil Power	Coil Voltage Rated	Coil Voltage Max	Resistance Ω ± 10%	Must Operate Voltage Max (VDC)	Must Release Voltage Min (VDC)
DC 1.8W	12	13.2	80	9	1.2
	24	26.4	320	18	2.4
	48	52.8	1280	36	4.8

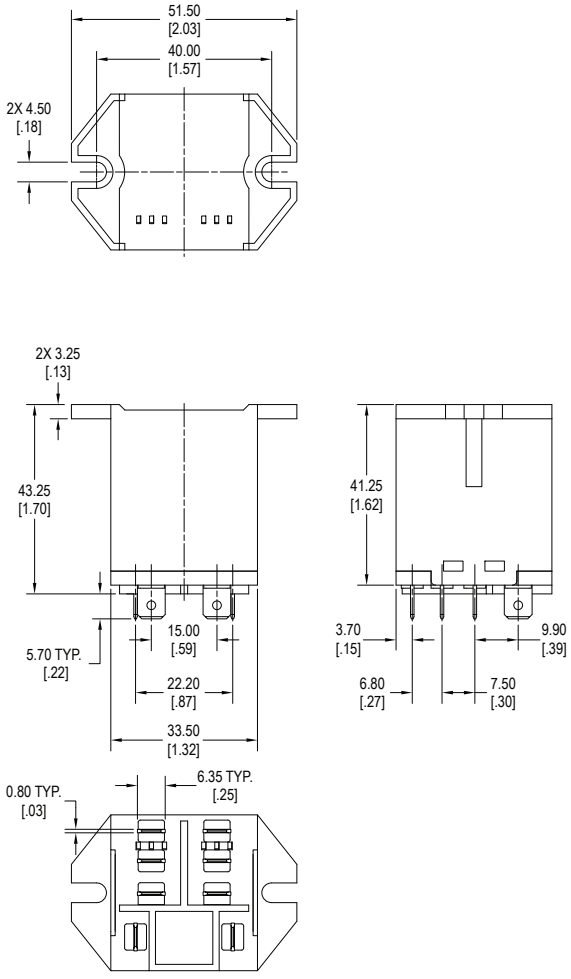
Voltage Type / Coil Power	Coil Voltage Rated	Coil Voltage Max	Resistance Ω ± 10%	Must Operate Voltage Max (VAC)	Must Release Voltage Min (VAC)
AC 4.0VA	12	13.2	12.1	9.6	3.6
	24	26.4	48.2	19.2	7.2
	48	52.8	193	38.4	14.4
	120	132	1206	96.0	36.0
	208	228	3623	166.4	62.4
	220	242	4053	176.0	66.0
	240	264	4824	192.0	72.0
	277	305	6426	222.0	83.1

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.

DIMENSIONS *mm (inches)*



C1 - Side Flange



C3 - Top Flange

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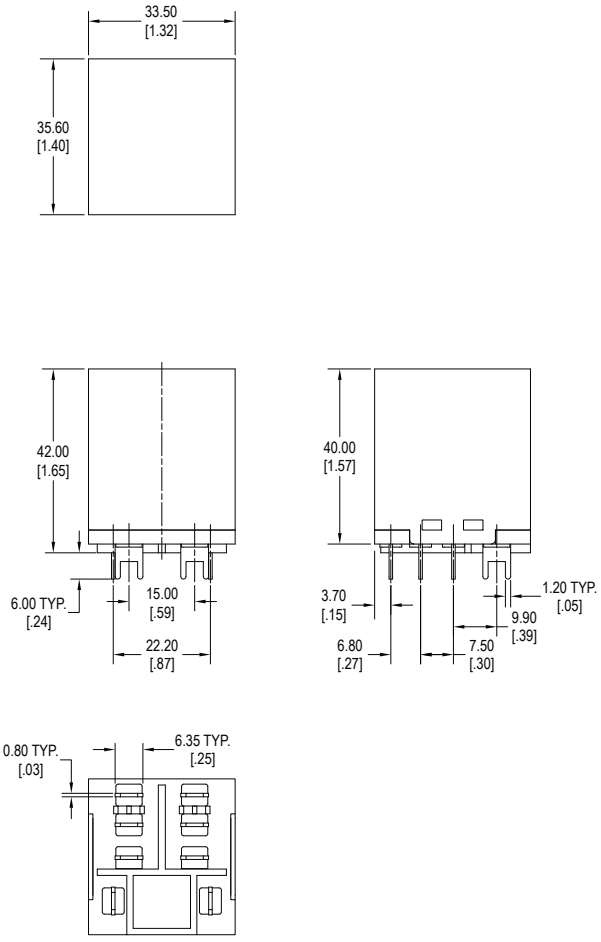
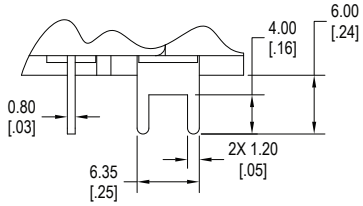
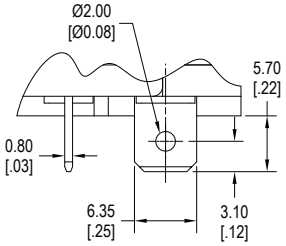


P - PC Terminal

TERMINALS *mm (inches)*

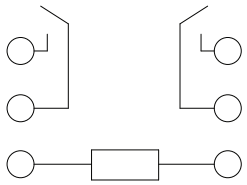


Quick Connect

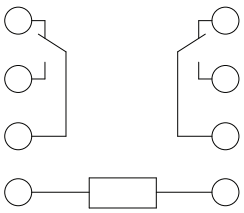


PC Pins

SCHEMATICS *Bottom Views*

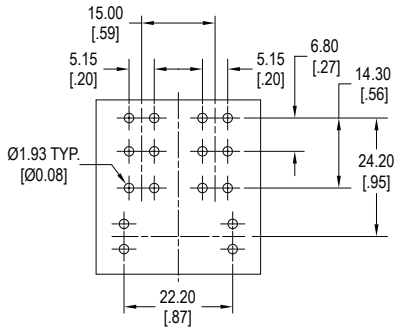


2A

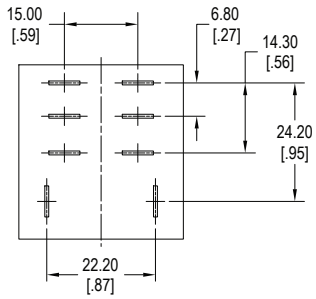


2C

PC LAYOUT



Quick Connect



PC Pins