40 AMP Panel Mount or PCB Power Relay With AC Coils **PTRA-T**

FEATURES

- Panel or PC mount with QC terminals for the load
- Up to 40 amp switching capacity
- Up to 2 horsepower rating
- From 12 to 240 volt AC coils
- UL Class F insulation standard
- UL 873 spacing standard
- Epoxy sealed, immersion cleanable
- **Now available Lead Free & RoHS Compliant**

c UL us File # E93379

UL/CSA RATINGS

Load Type	Voltage	1 Form A	1 Form B	1 Form C (SPDT)	
				NO	NC
General Purpose	240 VAC 277 VAC 30 VDC	40 A 30 A 40 A	30 A 20 A 30 A	40 A 30 A 40 A	30 A 30 A 30 A
Resistive (100,000 cycles)	120 VAC 240 VAC	40 A 40 A	30 A 30 A	40 A 40 A	30 A 30 A
Motor (30,000 cycles)	240 VAC 120 VAC	2 HP 1 1/2 HP	— —	2 HP 1 1/2 HP	— —
LRA/FLA (locked rotor amps/full load amps)	240 VAC 120 VAC	80 A/30 A 98 A/30 A	— —	80 A/30 A 98 A/30 A	— —

CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide), AgSnOInO (Silver Tin Indium Oxide)
Initial Contact Resistance		30 milliohms max @ 0.1A, 6VDC
Service Life	**Mechanical**	1×10^7 Operations
	Electrical	1×10^5 Operations

CHARACTERISTICS

Operate Time	20 ms. max
Release Time	15 ms. max
Insulation Resistance	1,000 megohms min, at 500 VDC, 50%RH
Dielectric Strength	1500 Vrms, 1 min. between open contacts 2500 Vrms, 1 min. between coil and contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5mm, 10-55 Hz
Power Consumption	2VA, approx.
Ambient Temperature Range	-55 degrees C to 105 degrees C operating, -55 to 155 degrees C storage
Weight	35 grams approx.

3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: Call Toll Free (888)997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com

ORDERING INFORMATION

Example:	PTRA	-1C	-120	S	T	-T5	-X

Model

Contact Form
1A, 1B, or 1C

Coil Voltage

Configueration
O: Open Frame; C: Dust Cover; S: Sealed plastic case

Contact Material
Nil: AgCdO; T: AgSnOInO

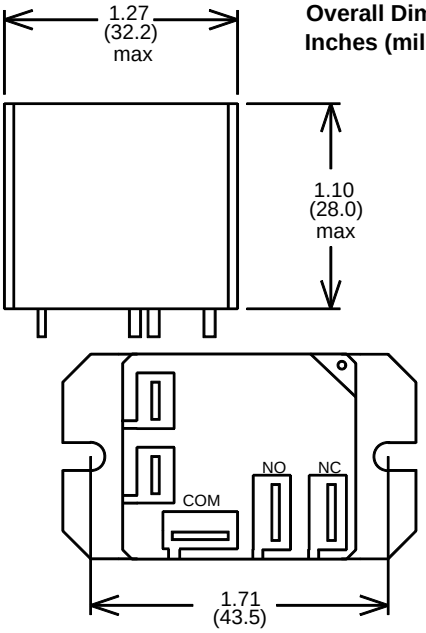
Mounting Type
T2: Form 1A PCB&QC, T3: Form 1C PCB&QC, T4 1A Panel all QC, T5: 1C Panel all QC

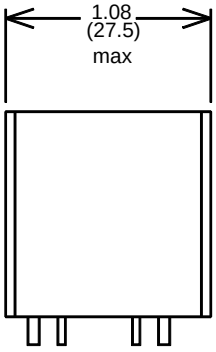
RoHS Compliant
Nil: Not Rohs, -X: RoHS Compliant

COIL DATA

Coil Voltage	Resistance ohms ± 10%	Must Operate Voltage Max. (VAC)	Must Release Voltage Min. (VAC)	Continuous Voltage Max. (VDC)
12	27	9.00	3.6	15.6
24	120	18.00	7.2	31.2
120	3040	90.00	36.0	156
220	13490	165.00	66.0	286
240	15740	180.00	72.0	312

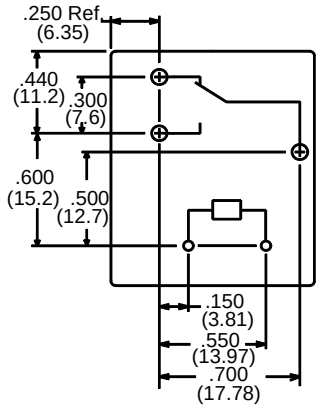
Overall Dimensions
Inches (millimeters)





Notes:
Breakable nib may be removed after flux removal.
PC mount has .250 male QC terminals for load.
Panel mount has .250 male QC terminals for the load and .187 male QC terminals for the coil.
Tolerances ± .010 unless otherwise noted
Holes for load term. .081 ± .005 Dia. (2.06 ± .13)
Holes for Coil term. .043 ± .003 Dia. (1.09 ± .08)

Pin Layout
Bottom View
Including Schematic



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