

40 Amp Power Relay with AC Coils & Low Case Profile QC Terminals

PTRA-T



C **FU** US E86876

LandTone	Voltage 4 Farm A	1 Form B	1 Form C		
Load Type	Voltage	1 Form A	(SPDT-NC)	NO	NC
	120 VAC*	40 A	30 A	40 A	30 A
	240 VAC	30 A	20 A	30 A	20 A
General Purpose	277 VAC	30 A	20 A	30 A	20 A
	280 VAC	5 A	5 A	5 A	5 A
	30 VDC*	40 A	30 A	40 A	30 A
Resistive	240 VAC	40 A	30 A	40 A	30 A
250K Cycles	240 VAC	20 A		20 A	
100K Cycles	277 VAC	25 A		25 A	
,	30 VDC	40 A*	30 A	40 A*	30 A
Motor	250 VAC	2 HP	1.5 HP	2 HP	1.5 HP
IVIOLOI	120 VAC*	1 HP		1 HP	
Ballast	280 VAC	5 A	5 A	5 A	5 A
Lamp Load TV-5	120 VAC	5 A		5 A	
LRA/FLA*	240 VAC	80 A/30 A		80 A/30	
	120 VAC	96 A/30 A		96 A/30	

FEATURES

- Power PCB Relay with AC Coils
- 40 Amp 240 VAC Resistive UL Rating
- 2 HP 250 VAC Rating
- Two Version:
 - ◆ T2 (1A), T3 (1C) PC Pins & QC Pins
 - ◆ T4 (1A), T5 (1C) QC Pins with Mounting Tabs
- UL Class F Insulation Standard
- Meets UL 508 and UL 873 Spacing
- RoHS Compliant

CONTACT DATA

Material		AgCdO, AgSnO ₂	
Initial Contact Resistance		30 mΩ Max. @ 1 A, 6 VDC	
Maximum Switching Voltage		110 VDC, 300 VAC	
Maximum Switching Current		40 A	
Maximum Switching Power		1,200 W, 10,000 VA	
Service Life	Mechanical	1 x 10 ⁷ Operations	
	Electrical	1 x 10 ⁵ Operations	

Meets UL 508 and UL 873 Spacing - 3.18 mm Through Air, 6.36 mm Over Surface.

ORDERING INFORMATION

*Not UL

RoHS Compliant: -X

Pinout: A: Alternate Quick Connect Pinout

Box Quantity: 600; Inner Box 300

Sales: (972) 713-6272

3220 Commander Drive, Suite 102 Carrollton, TX 75006

-6272 (888) 997-3933

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

Fax: (972)735-0964

COIL DATA

Coil V	oltage	Resistance	Must Operate	Must Release	Rated	Coil
(VE	OC)	(Ohms ± 10%)	Voltage Max	Voltage Min	Current	Power
Rated	Max		(VDC)	(VDC)	(mA)	(VA)
12	15.6	27	9.0	3.6	187	
24	31.2	120	18.0	7.2	95	
110	143	2360	82.5	33.0	20	2.0
120	156	3040	90.0	36.0	16.5	
220	286	13490	165.0	86.0	6.4	

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.

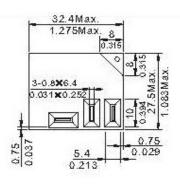
CHARACTERISTIC

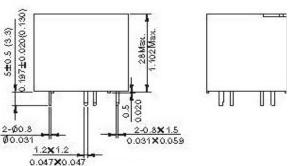
Operate Time	15 ms max.
Release Time	10 ms max.
Insulation Resistance	1,000 MΩ min, at 500 V
Power Consumption	2.0 VA
Dielectric Strength	50 Hz 1,500 V Between Open Contacts
	50 Hz 2,500 V Between Contacts and Coil
Shock Resistance	200 m/s ²
Vibration Resistance	10 Hz - 55 Hz Double Amplitude 1.5 mm

Terminal Strength	10N
Solderability	235 °C for 3 secs
Operating Temp. Range	- 55°C to 100°C
Storage Temp. Range	- 55°C to 125°C
Relative Humidity	85% (at 40°C)
Weight	31 grams
Material Compliant To	EU RoHS V2, EU REACH V3

MOUNTING TYPE (mm/inches)

Knock off, on top corner, nib for ventilation after soldering and water wash.





43.5 1.713 0.5x2.8 (0.5X4.8) 0.020x0.110(0.020x0.189) 0.606 2-R1.8 R0.071 0.401 0.150±0.008(0.189±0.00 3.8±0.2(4.8±0.2) 0.110 17.9 0.704 32.5 Max 27.5 Max 1.280max 1.083max. 50.2 1.976max.

"T2" & "T3"

"T4" & "T5"



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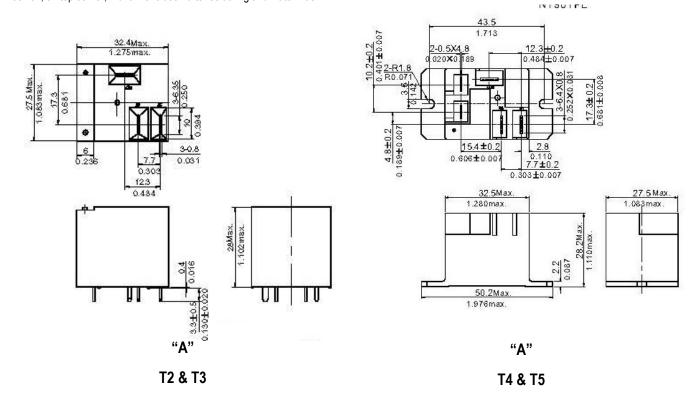
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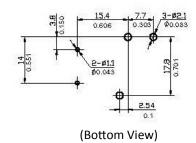
www.PickerComponents.com e-mail: sales@pickercomponents.com

ALTERNATE MOUNTING TYPE (mm/inches)

Knock off, on top corner, nib for ventilation after soldering and water wash.



PRINTED CIRCUIT BOARD LAYOUT



CONTACT FORMS

