

FLASH TRANSFER RELAY SWITCHES TUNGSTEN LOADS

CLASS
21



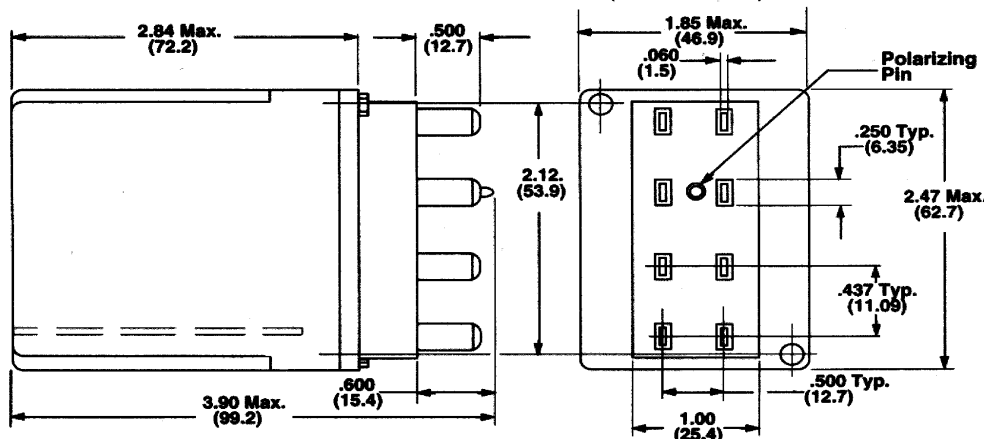
CLASS 21
ENCLOSED PLUG-IN STYLE POWER RELAY
DPDT CONTACT CONFIGURATION
SWITCHES TUNGSTEN LAMP LOADS TO 2400 WATTS

MEETS NEMA STD. TS 2-1992
 APPROVED BY D.O.T FOR:
 California Minnesota Georgia
 New York Illinois Texas
 Oregon Colorado

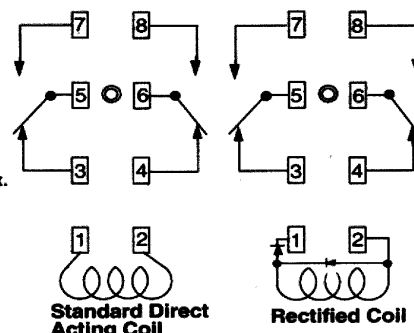


OUTLINE DIMENSIONS

DIMENSIONS SHOWN ARE IN INCHES AND (MILLIMETERS):



WIRING DIAGRAM VIEWED FROM PIN END



Magnecraft Part Number	Contact Configuration	Coil Measured at 25°C		Type	UL	CSA
		Nominal Voltage	Nominal Power			
W21ACPX-2	DPDT	120VAC	8.0 VA	Standard Direct Acting	YES	YES
W21ACPXD-5	DPDT	120VAC	4.0 VA	* Rectified	PENDING	PENDING

* Rectified type coil provides:
 1. Chatter Free operation in Brownout conditions down to 85VAC and will not overheat up to 130VAC.
 2. Less Power consumption and less Heating.

SPECIFICATIONS CLASS 21 RELAY

- COIL**
 Pull-in Voltage: AC: 85% of Nominal (70% Rectified style)
 DC: 75% of Nominal
 Dropout Voltage: 10% of Nominal Voltage
 Duty Cycle: 1 to 2 Sec on time, 4 sec off time.
- CONTACTS**
 Contact Material: Silver alloy 3/8" dia.
 Contact Configuration: Double Pole Double Throw
 Contact Rating: 20Amps for Class 21ACPX & 21ACPXD
 When used with mating socket, 70-446
 30Amps, 28VDC (Resistive).
 1HP, 120VAC (Motor)
 2HP, 240VAC (Motor)
 20Amps, 120VAC (Tungsten Lamp)
 10Amps, 240VAC (Tungsten Lamp).
- DIELECTRIC STRENGTH**
 Across open contacts: 500 V rms
 Contact to Coil: 1500 V rms
 Contact to Frame: 1500 V rms
- TEMPERATURE**
 Operating: -40°C to +84°C
- LIFE EXPECTANCY**
 Electrical: 250,000 Operations min. at 1 KW tungsten 120VAC, 200,000 Operations min. at 2.4 KW tungsten, 120VAC
 Mechanical: 5 Million Operations (No Load) Min.
- MISCELLANEOUS**
 Enclosure: Clear Polycarbonate
 Weight: 7.2 oz.. 204.7 Grams