

SWITCHING CONFIGURATION

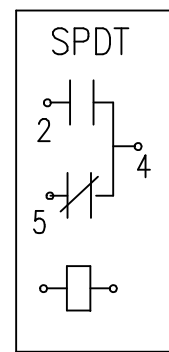


FIGURE 1

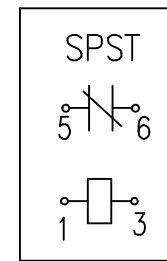


FIGURE 2

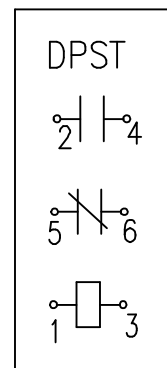


FIGURE 3

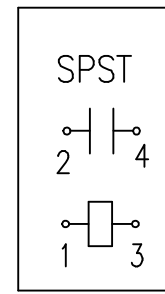


FIGURE 4

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE:

.X = ±
.XX = ±
.XXX = ±
ANGLES = ± ° HOLE DIA = ±
CONFORMS TO ASME Y14.5M-1994.

FINISH ✓

TRANE

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THIRD ANGLE PROJECTION



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SHEET 1 OF 1 REV D

RELAY CONTROL

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EXT	POLE CONFIGURATION	SWITCHING CONFIGURATION FIG.#	MOUNTING CONFIGURATION FIG.#	CONTACT CONFIGURATION		UL CONTACT RATINGS (MINIMUM) ^{CF}					COIL SPECIFICATIONS ^{CF}				
						VOLTAGE (VAC)	POWER DUTY RATINGS (SILVER ALLOY)			PILOT DUTY RATINGS (FINE SILVER OR GOLD FLASHED)	GENERAL PURPOSE (AMPS)	COIL VOLTAGE	MAX PICKUP VOLTAGE	MINIMUM DROPOUT VOLTAGE	
							FLA	LRA	HP						VA
010	SPST-NO	04	02	SILVER ALLOY	POWER	2-4	125	12	60	N/A	N/A	NOMINAL 24VAC MUST OPERATE RANGE (18VAC TO 32VAC)	18VAC	2.4VAC	
							240	8	48						
							277	8	48						
020	DPST-NO/NC	03	02	FINE SILVER	PILOT	2-4	125	N/A			125	N/A	NOMINAL 24VAC MUST OPERATE RANGE (18VAC TO 32VAC)	18VAC	2.4VAC
							250				250	N/A			
							277				277	3			
				FINE SILVER	PILOT	5-6	125	N/A			125	N/A			
							250				250	N/A			
							277				277	3			

NOTES:

- MUST BE UL RECOGNIZED UNDER UL508, COMPLY WITH UL1995, AND BE CSA CERTIFIED FOR HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERANT APPLICATIONS (C-UR RECOGNIZED IS ACCEPTABLE IN LIEU OF CSA CERTIFICATION). 30K CYCLES UL ENDURANCE TEST MIN, 100K FOR RELAYS USED IN SAFETY APPLICATIONS, 250K FOR RELAYS USED TO SWITCH ELECTRIC HEAT.
- UL INSULATION CLASS RATING ON COIL: B MINIMUM.
- TERMINALS: 0.25 x 0.32 MALE QUICK CONNECTS MUST CONFORM TO UL310; MATERIAL: NICKEL PLATED BRASS PREFERRED; DOUBLE MALE BLADES ON EACH COIL TERMINAL.
- MINIMUM SPACING BETWEEN TERMINAL WITH FEMALE QUICK CONNECT CONNECTORS IN PLACE: 3/8" THROUGH AIR; 1/2" OVER SURFACE.
- MOUNTING POSITION: OPERATES MOUNTED IN ANY ORIENTATION.
- CONTACT MATERIAL: SILVER ALLOY TYPE - AgCdO; FINE SILVER TYPE - AgNi 0.15 OR AgCeO; GOLD FLASHED - FINE SILVER WITH GOLD FLASHING.
- PARAMETERS MARKED WITH ^{CF} ARE CRITICAL FEATURES.
- DUTY CYCLE: CONTINUOUS.
- COIL FREQUENCY RATINGS: 50/60Hz.
- MAXIMUM OPERATE AND RELEASE TIME AT NOMINAL COIL VOLTAGE (INCLUDING BOUNCE) 30ms.
- LIFE: ELECTRIC LOAD - 100,000 CYCLES MIN (MAKE LRA AND BREAK LRA AT 70-80%P.F., 2s ON 4s OFF); MECHANICAL 1,000,000 CYCLES MIN.
- RELAY NOISE SHOULD NOT EXCEED 35 DB MEASURE ON A 3 FEET RADIUS FROM THE RELAY.
- OPERATING TEMPERATURE RANGE: -40° TO +70°C.
- CONTACT RESISTANCE:
INITIAL ≤ 50mΩ,
END OF LIFE ≤ 200mΩ.
- COIL POWER CONSUMPTION MAXIMUM: SEALED 4VSA ^{CF}; INRUSH 5VA.
- A BARCODE IS REQUIRED. THE BARCODE MUST BE 2D (PREFERRED) OR 1D (ACCEPTABLE) AND MUST HAVE TRANE X-CODE/PART NUMBER WITH NO SPACES OR MISCELLANEOUS CHARACTERS (EX: X23456789234). REFER TO ES3609004.

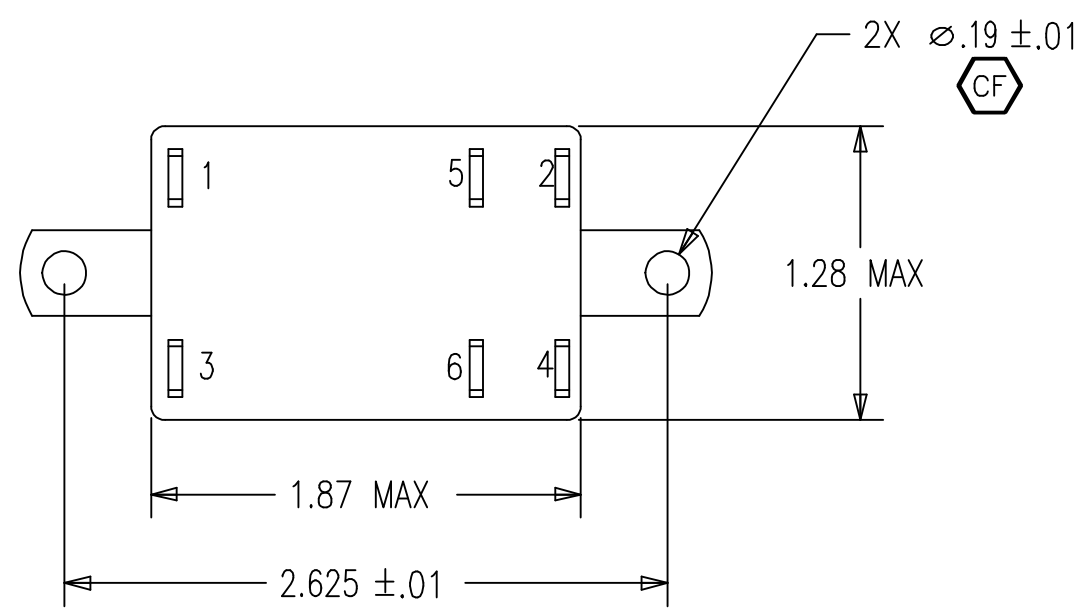


FIGURE 1

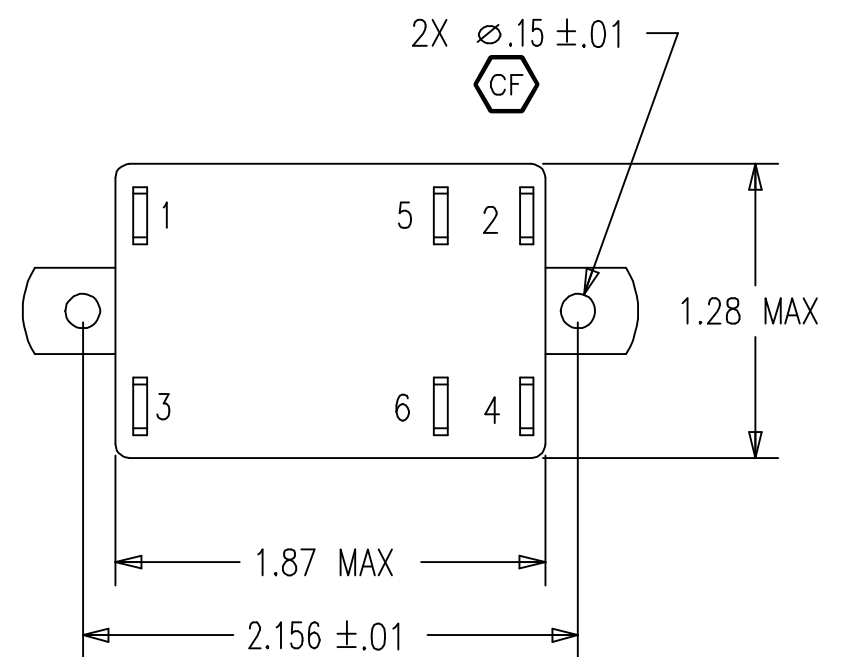


FIGURE 2

