

Contactor 50 Amps • SPDT To MIL-PRF-6106



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SPECIFICATIONS

GENERAL

Contact Arrangement	
Weight	9.5 oz approx.
Designed to meet the requirem	nents of MIL-PRF-6106

PERFORMANCE

Contact Ratings (Note 1):

Power	Contacts:
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Resistive	
	115/208V 400 Hz
Inductive	50 Amps @ 115/208V 400 Hz
	25 Amps @ 28 VDC
Motor	
	115/208V 400 Hz
Lamp	
	115/208V 400 Hz

Auxiliary Contacts:

Configuration......SPDT Current Rating5 Amps @ 28 VDC

Life	. 50,000 cycles @ rated loads
	25,000 cycles Lamp load life
	10,000 cycles Transfer load
	100,000 cycles Mechanical
Rupture (main contacts)	
Overload (main contacts)	
Operate Time.	

Release Time	
Contact Bounce Time	2 ms max
	@ rated contact load, 28 VDC

Coil Data: (@ 28 VDC and 25°C)	
Nominal Coil Voltage	
Pull-In Voltage (@ 85°C)	
Drop-out Voltage	
Coil Resistance	

ENVIRONMENTAL

Temperature Range	55°C to +85°C
Altitude	50,000 ft
Vibration (Note 2)	10 G's 50 - 500 Hz
	5 G's 500 - 2,000 Hz
Shock (Operating)(Note 2)	25 G's 6 ms
Acceleration	15 G's

ELECTRICAL CHARACTERISTICS

Duty Cycle	Continuous
Insulation Resistance	100 megohms
	@ 500V 25°C
Dielectric Strength:	
Sea Level:	
Contact to Case	
Contact to Coil	
Coil to Case	1,250 VRMS
Across Open Contacts	1,250 VRMS
50,000 Feet:	
All Points	700 VRMS

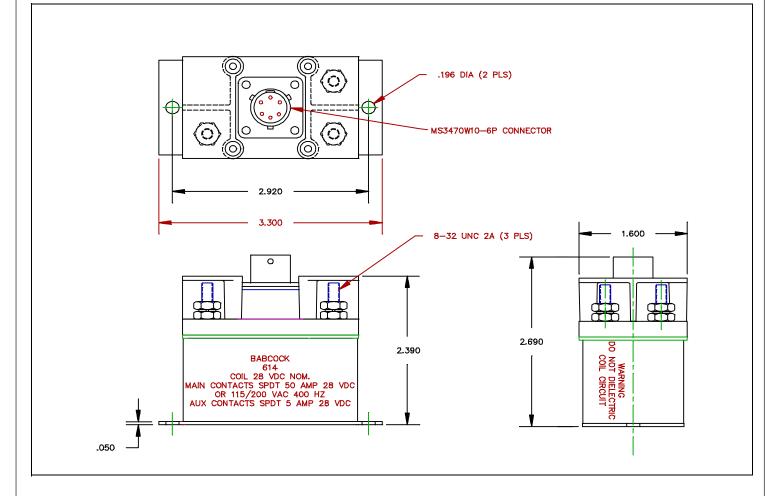
Notes

- 1. For other main contact or auxiliary contact ratings consult the factory.
- 2. For applications requiring higher shock and vibration, consult the factory.

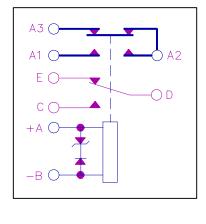


The 614 Contactor is designed to meet the general requirements of MIL-PRF-6106. Solid state control and logic is protected against inadvertent operation from noise, transients, or RFI/EMI and all solid state components are JANTX rated or better. This power contactor features a gasket sealed, vented, construction with a light weight aluminum housing. The power terminals are Silver plated Beryllium copper to prevent any possibility of corrosion during use. All auxiliary switches are QPL listed MS-24547 types.

OVERALL DIMENSIONS



SCHEMATIC



GENERAL NOTES

- Unless otherwise specified, all tests made at nominal coil voltages, @ 25°C.
- For special coil variations, switching configurations, terminal styles, mounting types, time delays, or other control circuits consult the factory.
- Unless otherwise specified, tolerances on decimal dimensions are ± .010".
- Specifications contained herein are subject to change without notice.



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