





JCG-6 SERIES.  
OTHER CONTACTOR & TERMINAL CONFIGURATIONS AVAILABLE.

NOTES:

1. CONTACTOR SHALL MEET ALL THE MATERIAL AND SEALING REQUIREMENTS OF MIL-R-6106 EXCEPT AS NOTED.
2. MANUFACTURERS PART NO AND TERMINAL DESIGNATIONS SHALL BE PERMANENTLY MARKED ON THE PART IN ACCORDANCE WITH MIL-STD-130.
3. TERMINAL HARDWARE SHALL BE SUPPLIED WITH CONTACTOR.
4. REMOVAL OF THE COVER FOR ATTACHMENT OF POWER LEADS SHALL NOT EXPOSE THE POWER CONTACTS TO ATMOSPHERE.
5. SCHEMATIC DIAGRAM MUST BE SHOWN ON CONTACTOR EXACTLY AS SHOWN ON THIS DRAWING.
6. SPECIFICATIONS (THESE REQUIREMENTS APPLY OVER THE TEMPERATURE RANGE OF -55°C TO +76°C).
 

<ol style="list-style-type: none"> <li>6.1 CONSTRUCTION</li> <li>6.2 WEIGHT</li> <li>6.3 KVA RATING</li> <li>6.4 MAIN CONTACTS</li> </ol>	GASKET SEALED AND VENTED  125 KVA 50/60 AND 400 HZ 3P.S.T. DOUBLE BREAK VOLTAGE AC 120/208-240/416, 50/60 HZ AND 400 HZ FREQUENCY 50/60 AND 400 HZ CONTINUOUS 350 AMPS AT 120/208V, 50/60 AND 400 HZ 6 SEC CURRENT 750 AMPS AT 120/208V, 50/50 AND 400 HZ INTERRUPTING CAPACITY 3500 AMPS AT 120/208V, 50/60 AND 400 HZ
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THE CONTACTOR SHALL INTERRUPT CURRENTS EQUAL TO OR GREATER THAN THE ABOVE STATED CURRENTS: THREE TIMES WHEN CLOSING IN ON THE LOAD AND THREE TIMES WHEN THE LOAD IS APPLIED BY EXTERNAL MEANS FOR EACH OF THE FOLLOWING SEVEN CONDITIONS: (42 INTERRUPTS) L1-N, L2-N, L3-N, L1-L2, L1-L3, L2-L3 AND L1-L2-L3.

  - 6.5 MECHANISM
  - 6.6 COIL DATA
  - 6.7 AUXILIARY CONTACTS

<ol style="list-style-type: none"> <li>6.1 CONSTRUCTION</li> <li>6.2 WEIGHT</li> <li>6.3 KVA RATING</li> <li>6.4 MAIN CONTACTS</li> </ol>	ELECTRICALLY HELD  120 VAC WITH INTERNAL RECTIFICATION DUTY CYCLE CONTINUOUS DUTY, ECONOMIZING D.P.D.T.  DC VOLTAGE 32 V CURRENT 2.5 AMPS MAX. RESISTIVE OR INDUCTIVE  AC VOLTAGE 120V 50/60 OR 400 HZ CURRENT 2.0 AMPS MAX.  LAMP CURRENT DC 4.0 AMPS MAX. 50/60 HZ 1.5 AMPS MAX. 400 HZ 3.0 AMPS MAX. AUXILIARY CONTACTS SHALL OPERATE WITHIN .004 SECONDS FROM THE TIME THAT THE MAIN CONTACTS OPERATE.
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  - 6.8 ELECTRICAL LIFE
  - 6.9 MECHANICAL LIFE
  - 6.10 MAIN CONTACT VOLTAGE DROP

10,000 CYCLES AT A DUTY CYCLE OF NOT LESS THAN 325 MAKE AND BREAK OPERATIONS PER HOUR WITH THE "ON" PORTION OF THE CYCLE NOT LESS THAN 1.0 SECONDS AND THE "OFF" PORTION OF THE CYCLE NOT MORE THAN 10.0 SECONDS.  
 100,000 CYCLES MIN.  
 WITH 350 AMPS DC THRU THE MAIN CONTACTS AND THE OPERATING COIL ENERGIZED WITH 120 VDC, THE VOLTAGE DROP ACROSS THE CONTACTS SHALL NOT EXCEED 200 MILLIVOLTS FOR A NEW CONTACTOR AND 250 MILLIVOLTS AFTER THE LIFE TEST OF 6.8
7. SEPARATE CONTACTORS MAY BE USED FOR THE ELECTRICAL LIFE TEST (6.8) AND THE INTERRUPTING CAPACITY TEST (6.4.5). ALL OTHER TESTS SHALL BE CONDUCTED ON THE SAME CONTACTOR.
8. TERMINAL SHIELD NOT SHOWN ON TOP VIEW.
9. CONNECTOR CONFORMS TO MS# 3102A-20-29P
10. TOLERANCE ON INCHES IS .00±.030 & .000±.010  
TOLERANCE ON MILLIMETERS IS 0.0±0.75 & 0.00±0.25

OUTSIDE DIMS.	DISTRIBUTION TABLE

CHANGE RECORD	OUTLINE	FINISH CODE PER NONE		
E.G. No. DATE	FILE NAME TITL DATE	ACTIVITY	REPLAZED BY	QUANTITY
	JCG-6_S2 08-03-10			
	UNLESS OTHERWISE SPECIFIED	MATERIAL NO.	QUANTITY/UM.	CONV. CLK.
	DIMENSIONS ARE IN INCHES/MILLIMETERS TOLERANCES UNLESS INDICATED OTHERWISE FINISHES UNLESS INDICATED OTHERWISE PRODUCTION DIMENSIONS ARE TO BE MADE PRODUCED TO RECOGNIZED STANDARDS.	MATERIAL SPEC.	ASSEMBLY	
	FINISH ± ---	3.P.S.T. CONTACTOR		
	DO NOT SCALE DRAWING	DESCRIPTION DATA		
	DECIMAL-INCH	METRIC	DESIGNED	DRAWN
	.01 ± .01	0.0 ± 0.25mm	DATE	SCALE
	.00 ± .003	0.0 ± 0.075mm	08-03-10	FULL
	.000 ± .010	0.00 ± 0.25mm	CHECKED	APPROVED
			RECORDS	REV TYPE

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Prestalite Sales of Troy, Ohio 45373, U.S.A.  
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SIZE: Dwg. No. SHEET 2 OF 2  
JCG-6 SERIES