

SERIES 9213 POWER CONTACTOR 3 PST-DM, 50/100 AMP



Application Notes: 103G

Hermetically sealed Balanced armature design

Designed to the performance standards of

MIL-PRF-6106

PRINCIPLE TECHNICAL CHARACTERISTICS

Contacts rated at	28 Vdc; 115 Vac, 400 Hz, 1Ø 115/200 Vac, 60/400 Hz, 3Ø		
Weight	2.7 lbs max		
Dimensions	4.22in x 4.23in x 4.53in		
Special units available upon request			

CONTACT ELECTRICAL CHARACTERISTICS

	Load current in Amps					
Contact rating per pole and load type [1]	28 Vdc	115 Vac 400 Hz	115/200 Vac 400 Hz 3Ø WYE OR DELTA	115/200 Vac 60 Hz 3Ø WYE OR DELTA	440 Vac 60/400 Hz	
Resistive	100	100	100	50	50	
Inductive	100	100	100	50	-	
Motor [2]	100	100	100	50	-	



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COIL CHARACTERISTICS (Vdc)

CODE	Vdc	115 Vac 400 Hz	115 Vac 60 Hz
Nominal operating voltage	28	115	115
Maximum operating voltage	29	124	124
Pick-up voltage, max	18	90	95
Drop-out voltage, max	7	40	30
Coil resistance ohms ±10% at +25° C	44.5	-	-
Coil current max. mA at +25° C	-	200	200

GENERAL CHARACTERISTICS

Temperature range	-55°C to +71°C
	00 0 10 171 0
Minimum operating cycles (life) at rated load	50,000
Minimum operating cycles (life) at 25% rated load	100,000
Dielectric strength at sea level	
All circuits to ground and circuit to circuit	1,500 Vrms
Coil to ground	1,250 Vrms
Dielectric strength at altitude 80,000 ft.	700 Vrms
Insulation resistance (at 500 Vdc) minimum	100 M Ω min
Sinusoidal vibration (55-500 Hz)	10G
Shock (6-9 millisecond duration)	50G
Maximum contact opening time under shock or vibration	2 μs
Operate time at nominal voltage	
DC	30 ms max
AC	40 ms max
Release time at nominal voltage	
DC	20 ms max
AC	60 ms max
Weight, max.	2.70 lb

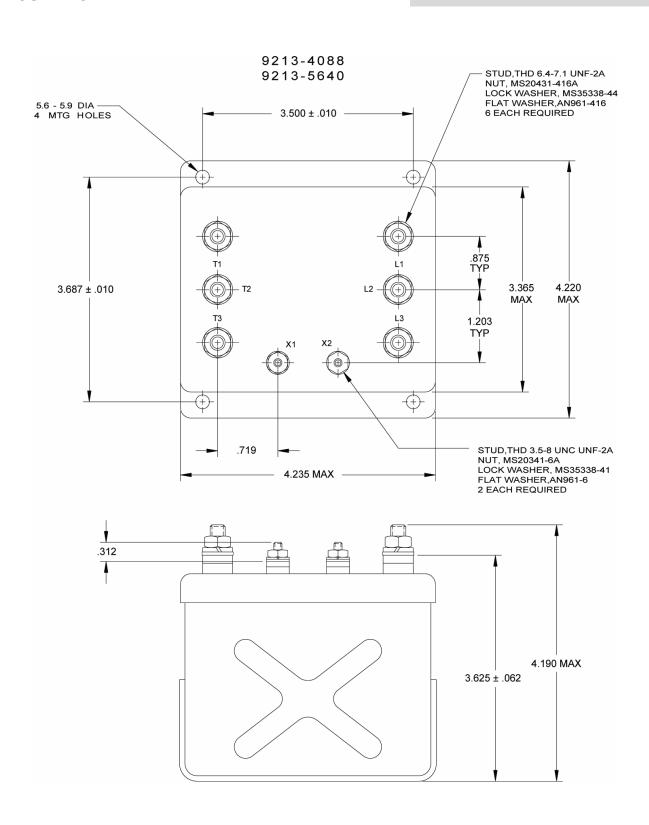


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CONFIGURATION

Dimensions in inches
Tolerances, unless otherwise specified, XX ±.03; .XXX ±.010





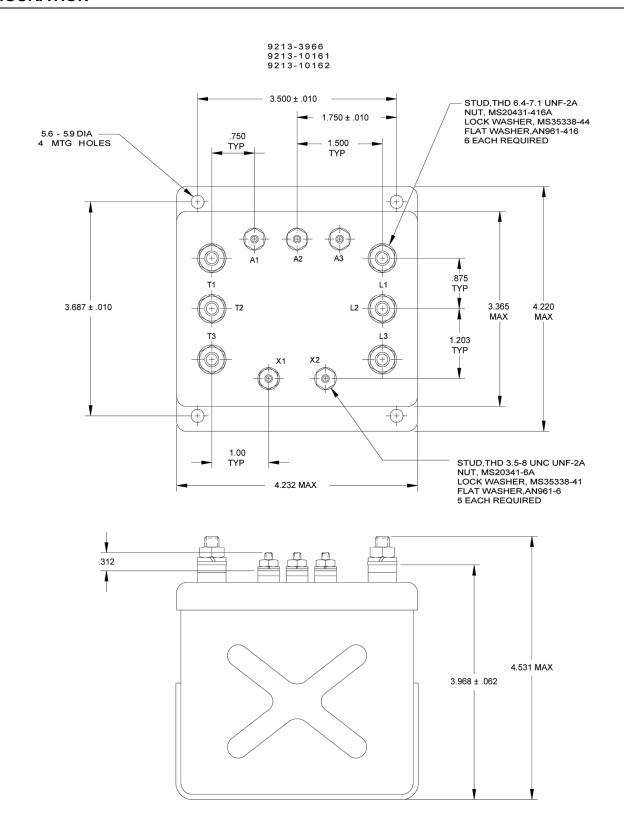
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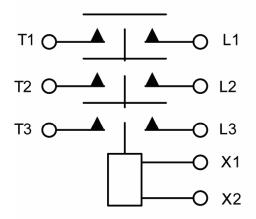




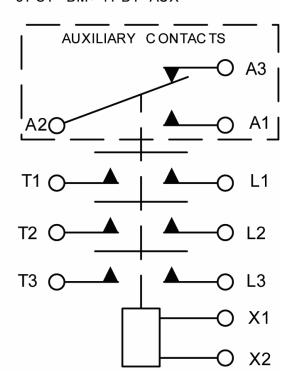
SCHEMATIC DIAGRAM

9213- 4088 115 VAC 400 Hz 9213- 5640 28 VDC

CONTACT CONFIGURATION 3PST-DM



9213- 3966 28 VDC 9213- 10161 115 VAC, 60 Hz 9213- 10162 115 VAC, 400 Hz CONTACT CONFIGURATION 3PST- DM+ 1PDT AUX



NC	NOTES:				
1	Auxiliary contact rating				
	Resistive and inductive load (28 VDC or 115 VAC) 5 Amp				
	Lamp (28 VDC or 115 VAC) 1 Amp				
2	Motor load in-rush limited to 400 amp				