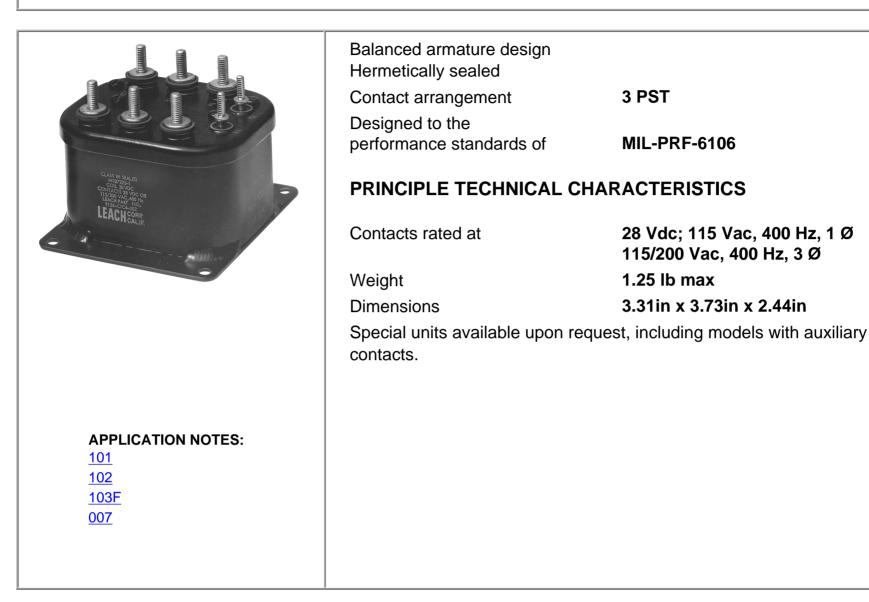
ENGINEERING DATA SHEET

SERIES 9124 CONTACTOR 3 PST, 50 AMP



CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per pole and load type [1]	Load current in Amps					
	28 Vdc	115 Vac 400 Hz	115/200 Vac 400 Hz, 3Ø	115 Vac 60 Hz [5]	440 Vac 60 Hz [5] DELTA	
Resistive	50	50	50	30	15	
Inductive [6]	50	50	50	30	15	
Motor	50	50	50	15	12	
Intermediate current	5	5	5	15	-	



Data sheets are for initial product selection and comparison. Contact Esterline Power Systems prior to choosing a component.

COIL CHARACTERISTICS (Vdc)

CODE	Vdc	115 Vac 60/400 Hz	Suppressed Vdc [2]	
Nominal operating voltage	28	115	28	
Maximum operating voltage	29	124	29	
Pick-up voltage, max	,	7	7	
- Nominal	18	90	18	
- High temp test	21	100	21	
- Continuous current test	22.5	104	22.5	
Drop-out voltage, max	7	40	7	
Coil resistance Ohms ±10% at +25° C	50		50	
Coil current max. mA at +25° C	-	200	-	

GENERAL CHARACTERISTICS

Temperature range	-70°C to +125°C
Minimum operating cycles (life) at rated load	50,000
Minimum operating cycles (life) at 25% rated load	100,000
Dielectric strength at sea level	,
- Coil to case	DC 1250 Vrms AC 1500 Vrms
- Auxiliary contacts	DC 1250 Vrms AC 1500 Vrms
- All other points	DC 1250 Vrms AC 1800 Vrms
Dielectric strength at altitude 80,000 ft	700 Vrms
Insulation resistance (at 500 Vdc) minimum	100 M Ω min
Sinusoidal vibration (55-1500 Hz)	15 G
Shock (6-9 ms duration)	50 G
Maximum contact opening time under shock or vibration	2 ms
Operate time at nominal voltage	,
- DC	25 ms max
- AC	30 ms max
Release time at nominal voltage	
- DC	10 ms max
- AC	50 ms max
Contact bounce at nominal voltage	2 ms max [1]
Weight maximum	1.25 lb max.
	7

RELAY NUMBERING SYSTEM

SERIES 9124

LEACH PART NO.	DESCRIPTION	MS NUMBER	MOUNTING STYLE [4]	SCHEMATIC DIAGRAM [4]
9124-C7C4-002	3 PST, 50 AMP, DC COIL	MS27222-1	1	1
9124-C7D3-002	3 PST, 50 AMP, AC COIL 60/400 Hz	MS27222-3	1	1
9124-1Z-C7C4-002	3 PST, 50 AMP, DC COIL, AUX CONTACT	MS27222-2	1	2
9124-1Z-C7D3-002	3 PST, 50 AMP, AC COIL, AUX CONTACT 60/400 Hz	MS27222-4	1	2
9124-10278	3 PST, 50 AMP, AC COIL 60/400 Hz	MS27222-5	1	1
9124-10279	3 PST, 50 AMP, AC COIL, AUX CONTACT, 60/400 Hz	MS27222-6	1	2
9124-10280	3 PST, 50 AMP, DC COIL WITH SUPPRESSION, AUX CONTACT	MS27222-7	1	4
9124-8073	3 PST, 50 AMP, DC COIL	MS24376-D1 [3]	2	1
9124-8074	3 PST, 50 AMP, AC COIL, 60/400 Hz	MS24376-A1 [3]	2	1
9124-8075	3 PST, 50 AMP, DC COIL, AUX CONTACT	MS24376-D2 [3]	2	2
9124-8076	3 PST, 50 AMP, AC COIL, AUX CONTACT 60/400 Hz	MS24376-A2 [3]	2	2
9124-10398	3 PST-NO, 50 AMP, DC SUPPRESSED COIL	-	1	3
9124-10399	3 PST-NO, 50 AMP, DC SUPPRESSED COIL, AUX CONTACTS	-	1	4
9124-10400	3 PST-NO, 50 AMP, DC SUPPRESSED COIL	-	2	3
9124-10401	3 PST-NO, 50 AMP, DC SUPPRESSED COIL, AUX CONTACTS	-	2	4
Special Models avai	ilable upon request, please contact factory.	·	,	

NOTES

[1] Auxiliary contact rating:

Resistive and inductive: (28 Vdc or 115 Vac) 5 Amp

Lamp: (28 Vdc or 115 Vac) 1 Amp

Bounce at nominal voltage maximum: .004 sec max

[2] Suppressed coils have back EMF suppression to 42 Vdc.

[3] MS numbers are for reference only. Relays are electrically and mechanically interchangeable, except the height is less on the Leach relays similar to MS24376.

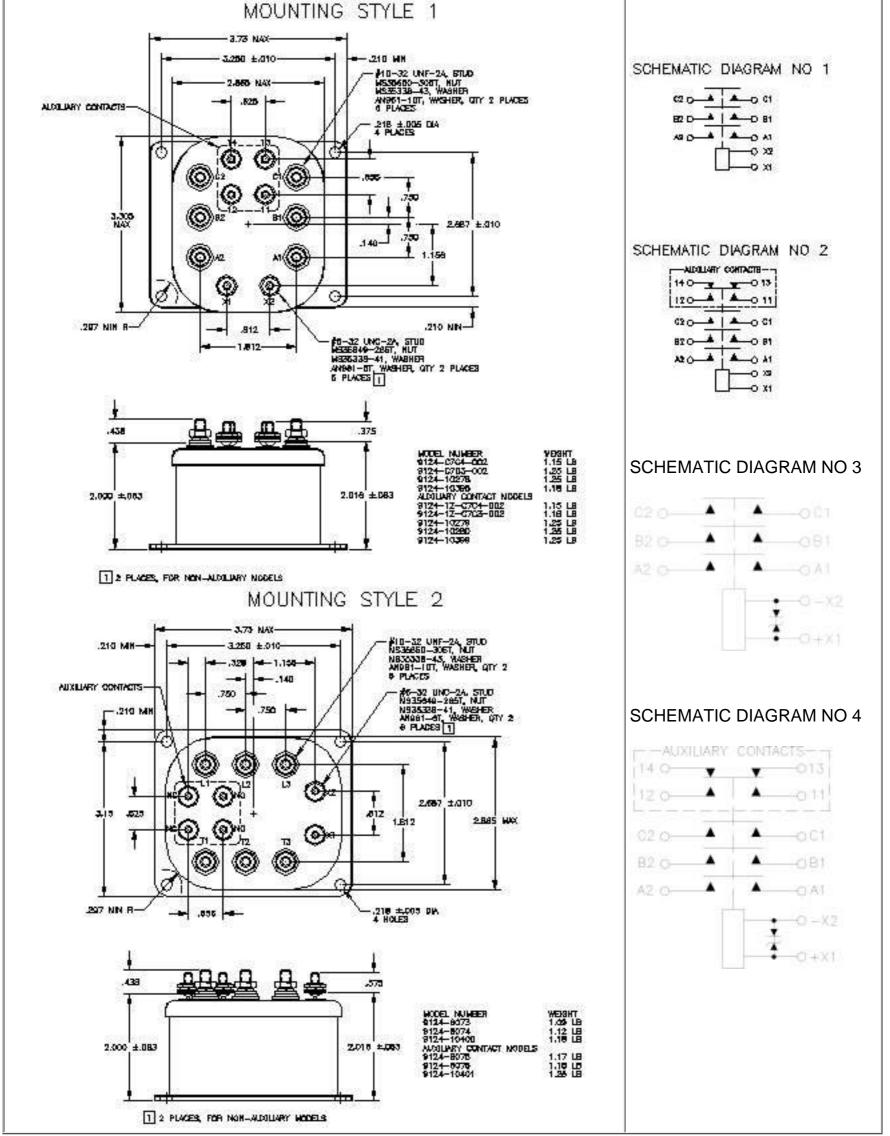
[4] See the following pages for mounting styles and schematic diagram.

[5] Ratings are beyond MS requirements.

[6] Inductive load life is 20 percent of rated resistive load life.

CONFIGURATION

SERIES 9124



STANDARD. TOLERANCE: .XXX ± .031

