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Balanced-Force Design
 Hermetically sealed
 Designed to the performance standards of

MIL-PRF-6106

PRINCIPLE TECHNICAL CHARACTERISTICS

Contacts rated at **28 Vdc and 115 Vac, and 115/200 Vac, 400Hz, 3 Ø**

Weight **1.70lbs max.**

Special units available upon request, including latching versions and models with auxiliary contacts.

CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per pole and load type	Load current in Amps				
	28 Vdc	115 Vac 400 Hz	115/200 Vac 400 Hz, 3 Ø	28 Vdc [3]	115 Vac 400 Hz [3]
Resistive	50	90	90	120	120
Inductive [2]	30	90	90	80	120
Motor	30	80	80	80	80



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

COIL CHARACTERISTICS (Vdc)**SERIES L**

CODE	A Vdc	N [5] Vdc
Nominal operating voltage	28	28
Maximum operating voltage	29	29
Pick-up voltage, maximum		
- Nominal	18	18
- High temp test	20	20
- Continuous current test	22.5	22.5
Drop-out voltage, maximum	7	7
Coil resistance in Ohms $\pm 10\%$ at $+25^\circ\text{C}$	65	65
Coil current Amp max. @ nom. Volt. and $+25^\circ\text{C}$	0.475	0.475

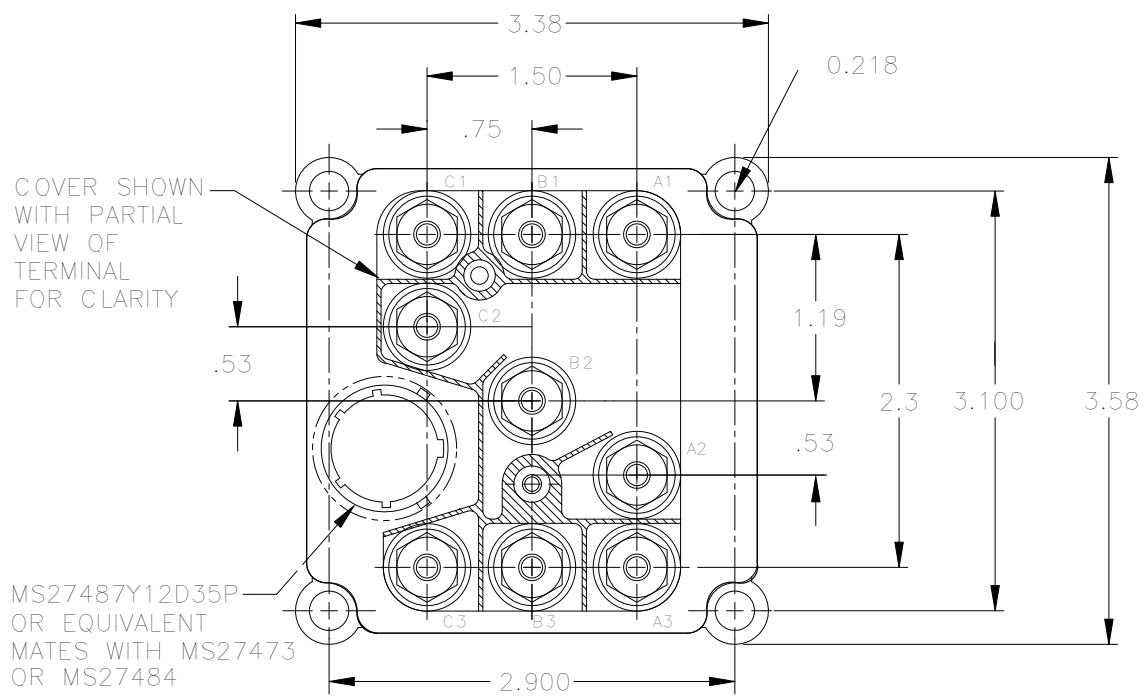
GENERAL CHARACTERISTICS

Temperature range	-55°C to +71°C
Minimum operating cycles (life) at rated resistive load	50,000
Minimum operating cycles (life) at 25% rated resistive load	100,000
Dielectric strength at sea level	
- All circuits to ground and circuit to circuit	1500 Vrms
- Coil to ground and aux. contacts	1250 Vrms
Dielectric strength at altitude	
- Main contacts	700 Vrms
- Coil and auxiliary contacts	500 Vrms
Insulation resistance	
- Initial (500 Vdc)	100 M Ω min
- After environmental tests (500 Vdc)	50 M Ω min
Sinusoidal vibration	10 G / 55 to 1000 Hz
Shock (10-12 ms duration)	15 G
Maximum contact opening time under vibration and shock	10 μs
Operate time at nominal voltage (Including bounce)	40 ms max
Release time at nominal voltage (Including bounce)	
- DC	40 ms max
- AC	100 ms max
Contact bounce at nominal voltage	4 ms max
Weight	Noted
Overload at 115/200 Vac, 400 Hz	630 Amps
Rupture at 115/200 Vac, 400 Hz	900 Amps
Altitude	50,000 Feet

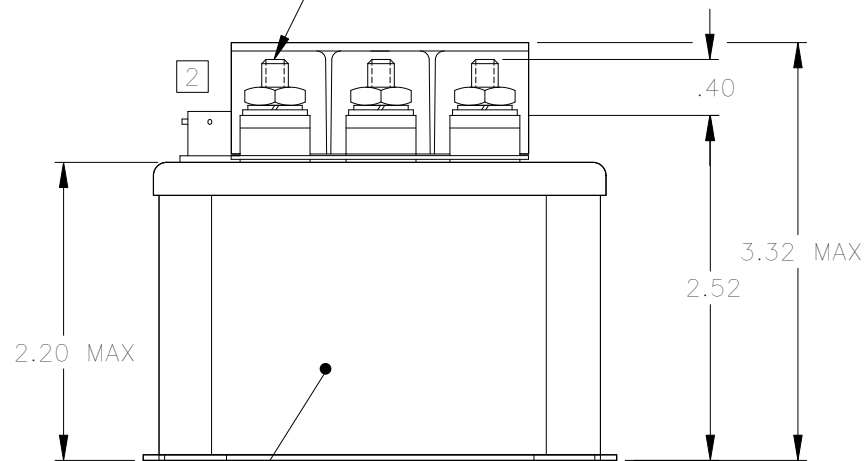
NOTES

- [1] Auxiliary contact rating- see page 4, note [1].
 [2] Inductive load life, 20,000 cycles.
 [3] Ratings are for double break/make terminal type 6.
 [4] Alternate contact configurations and other special models available upon request. Please contact factory.
 5. Suppressed "N" coil has back EMF suppression to 62 Volts max.
 6. This series drawing is for general use only. Please consult factory for special requirements.

MOUNTING STYLE A ONLY



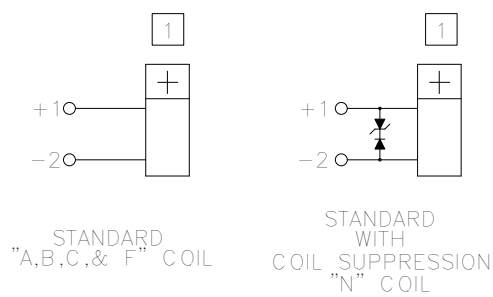
- STUD, .250-28 UNF-2A
- NUT, .250-28 UNF-2B X 3/8 X 3/16
- STEEL CAD PLATE
- LOCK WASHER, MS35338-44
- FLAT WASHER, AN960-416L
- 9 EACH REQUIRED



NAMEPLATE (NEAR SIDE)
CIRCUIT DIAGRAM FAR SIDE

WEIGHT 1LB 11OZ. MAXIMUM

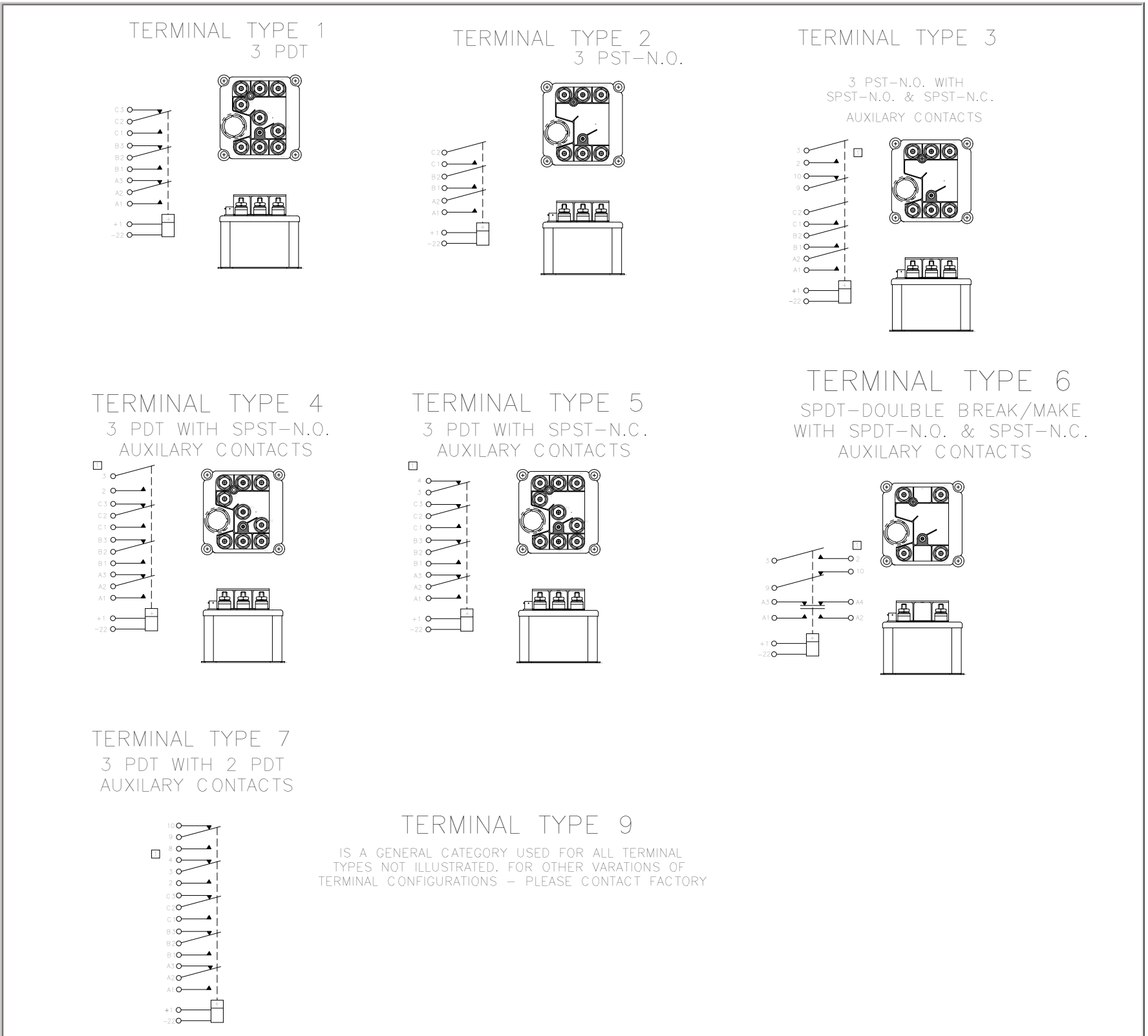
COIL CIRCUIT CONFIGURATION



NOTES:

- 1 POLARITY INDICATION APPLIES TO D.C. COILS ONLY.

Standard Tolerance: .XX ±.03, .XXX ±.010



NOTE: Although all configuration and/or terminal type options are available, some combinations may require a setup charge and be subject to minimum order size.

NUMBERING SYSTEM

	L	-	X	0	X
Relay family _____					
1-Mounting Style _____					
2-Terminal & Circuit (1,2,3 Etc.) _____					
3-Coil Voltage (A,B,C,F,N) _____					