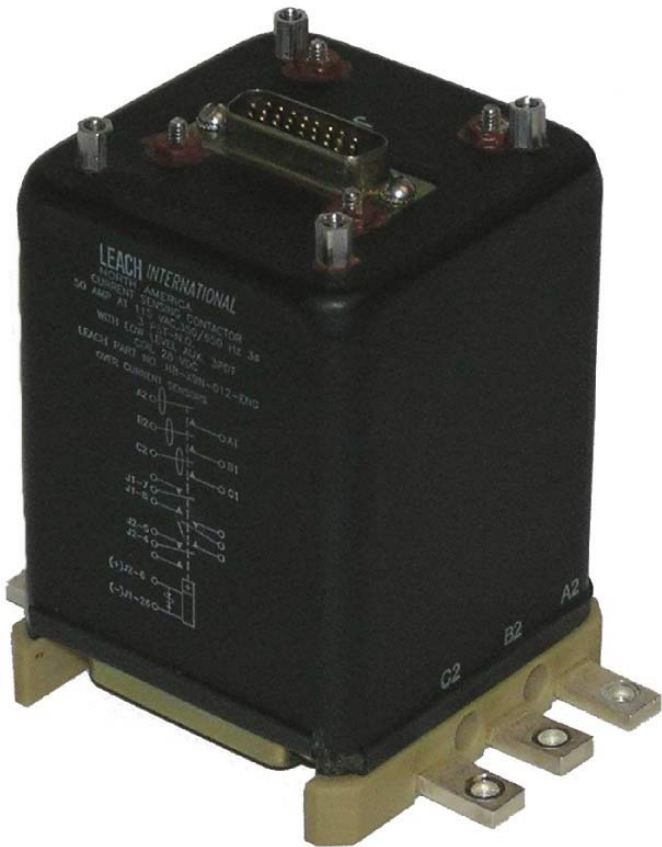


ENGINEERING DATA SHEET

**CONTACTOR, CURRENT SENSING
BUSBAR MOUNTING
3 PST+AUX, 50 AMP**



APPLICATION NOTES:

Dust sealed
Balanced-Force Design
Meets the standard and requirements of

MIL-PRF-6106

PRINCIPLE TECHNICAL CHARACTERISTICS

Main Contacts rated at **28 Vdc; 115/200 Vac, 400Hz**
 Aux Contacts rated at **28 Vdc; 115 Vac, 400**
 Weight **1.125 lb max.**
 Dimensions **3.77in x 3.72in x 2.60in**

Special units available upon request.

CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per load type, main contact	Load current in Amps	
	@28 Vdc	115/200 Vac 400 Hz
Resistive	50	50
Inductive	20	50
Rupture	150	500
Contact rating per load type, auxiliary contact	28 Vdc	115 Vac/400 Hz
Resistive	5A and low level	5A
Inductive	3A	5A
Rupture	NA	NA



Leach International
www.leachintl.com

North America
6900 Orangethorpe Ave.
P.O. Box 5032
Buena Park, CA 90622 USA

Tel: (01) 714-736-7599
Fax: (01) 714-670-1145

Europe, SA
2 Rue Goethe
57430 Sarralbe
France

Tel: (33) 3 87 97 98 97
Fax: (33) 3 87 97 84 04

Asia-Pacific Ltd.
20/F Shing Hing Commercial Bldg.
21-27 Wing Kut Street
Central, Hong Kong

Tel: (852) 2 191 2886
Fax: (852) 2 389 5803

Data sheets are for initial product selection and comparison. Contact Leach International prior to choosing a component.

COIL CHARACTERISTICS (Vdc)**SERIES HB**

CODE	A Vdc	B Vdc	C Vdc	F Vac 400Hz	N Vdc
Nominal operating voltage	28	12	6	115	28
Maximum operating voltage	29	14.5	7.3	124	29
Pick-up voltage, maximum					
-Normal	18	9	4.5	90	18
-High temp test	20	10	5	95	20
-Continuous current test	22.5	11	5.7	100	22.5
Drop-out voltage, maximum	1 TO 8	4.5	2.5	30	7
Coil resistance in Ohms $\pm 10\%$ @ 25°C	200	50	12	-	200
Coil current max. mA @ +25°C	-	-	-	90	-

GENERAL CHARACTERISTICS

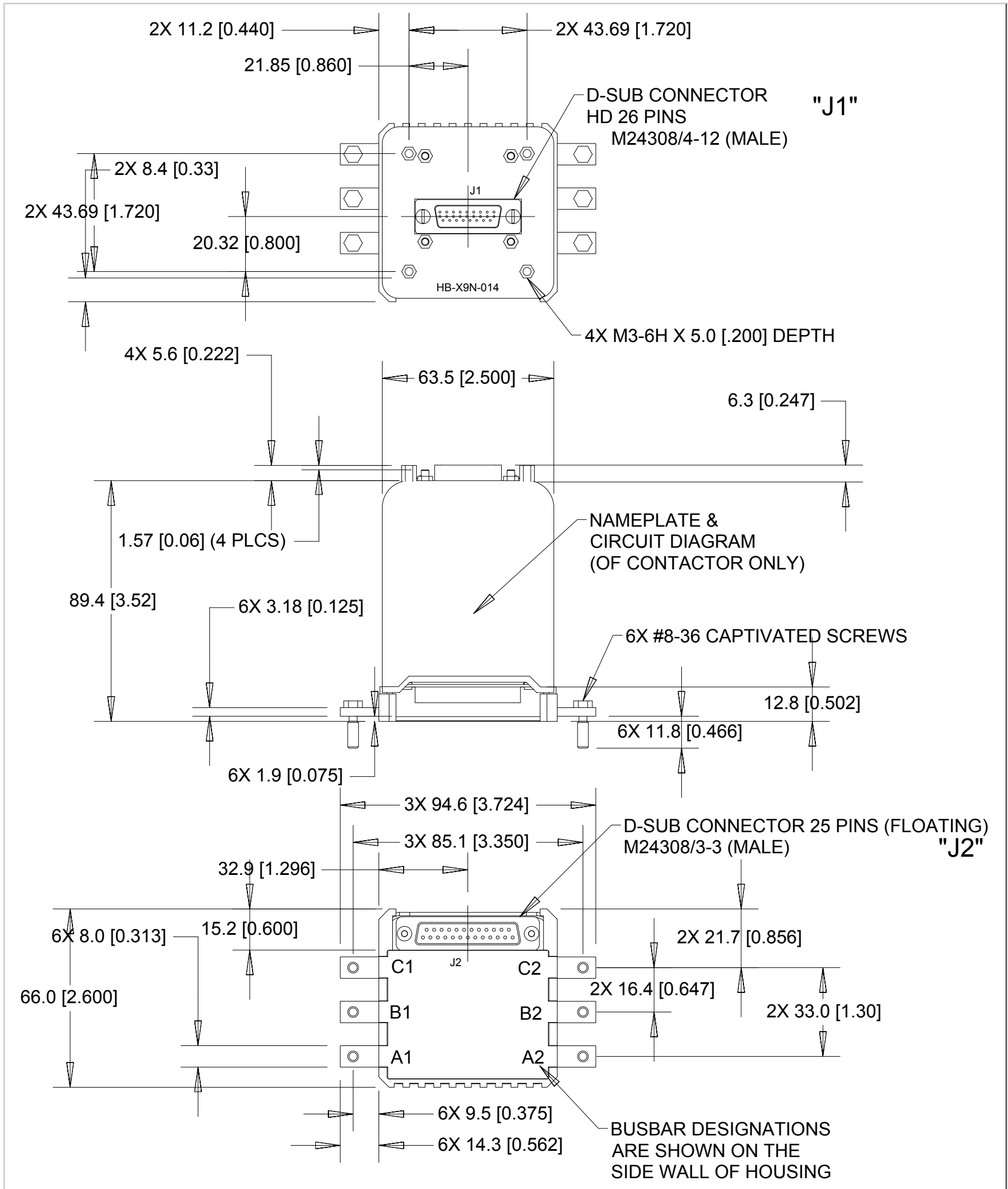
Temperature range	-54°C to +85°C
Minimum electrical operating cycles (life) at rated resistive load	50,000
Minimum mechanical operating cycles (life) at 25% rated resistive load	100,000
Dielectric strength at sea level	
- Coil and aux. contacts to ground	500 Vrms
- All main contacts to contacts and to ground	1,500 Vrms [5]
Dielectric strength at altitude- 50,000 feet	
- Coil and aux. contacts to ground	500 Vrms
- All main contacts to contacts and to ground	700 Vrms
Insulation resistance	
- Initial	100 M Ω
- After environmental tests	50 M Ω
Sinusoidal vibration	10 G / 70 to 2,000 Hz
Shock - 11 ms duration	20 G
Max. contact opening time under vibration and shock	<10 ms
Operation time at nominal voltage - including bounce	
- D.C. Coil	15 ms max
- A.C. Coil	50 ms max
Release time at nominal voltage - including bounce	
- D.C. Coil	25 ms max
- A.C. Coil	80 ms max
Contact bounce at nominal voltage	3 ms max
Overload @ 115/200 Vac 400Hz @ 28 Vdc	900 Amps
Rupture @ 115/200 Vac 400Hz @ 28 Vdc	500 Amps

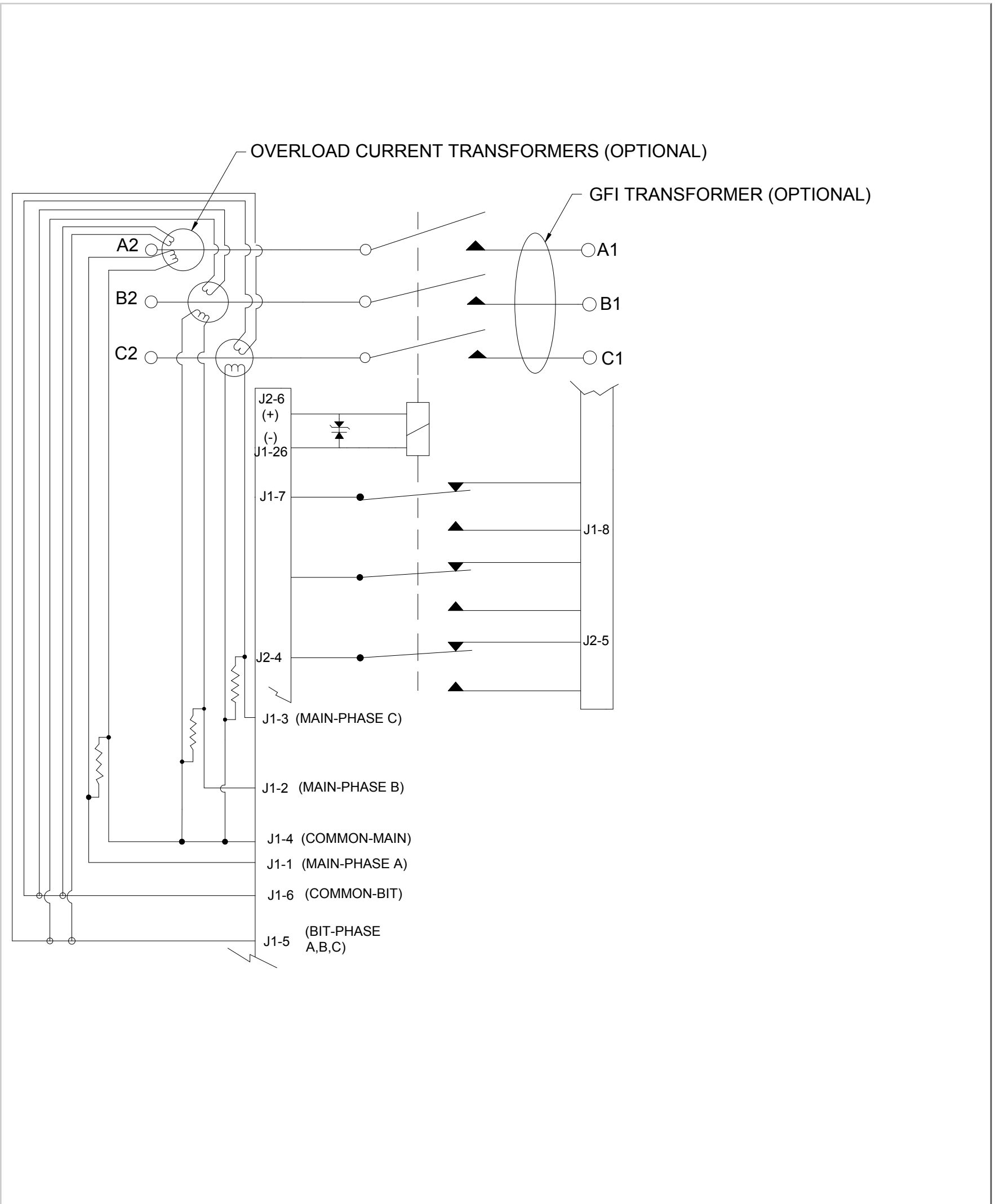
Relay family	HB	A	2	A
1-Mounting Style (A)				
2-Terminal & Circuit (2, 3, 9)				
3-Coil Voltage (A, B, C, F & N)				

NOTES

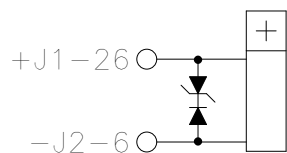
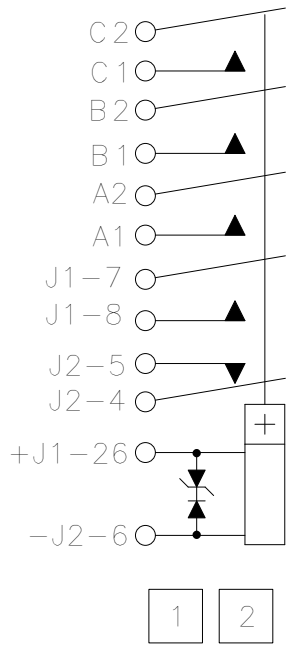
1. Wiring protection for ground fault and overload currents is available. Consult factory

CONFIGURATION STYLES



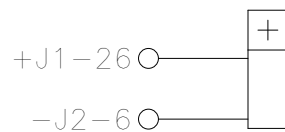
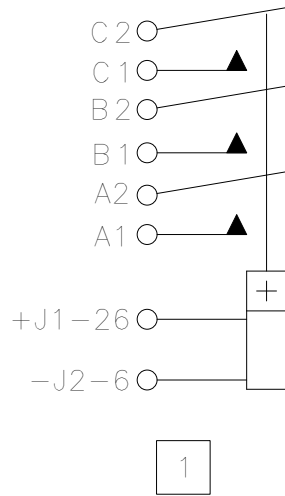


TERMINAL TYPE 3
3PST-N.O. WITH
SPST-N.O. & SPST N.C
AUXILIARY CONTACTS



STANDARD COIL
"A", "B", "C", "D"

TERMINAL TYPE 7
3PST-N.O.



SUPPRESSED COIL
"N"

TERMINAL TYPE 9
IS A GENERAL CATEGORY USED FOR ALL
TERMINAL TYPES NOT ILLUSTRATED
FOR OTHER VARIATIONS OF TERMINAL
CONFIGURATIONS
PLEASE CONTACT FACTORY

1 POLARITY INDICATION APPLIES TO DC COILS ONLY.

2 AUXILIARY CONTACT RATING:

28 VDC OR 115 VAC

RESISTIVE	5 AMP
INDUCTIVE	3 AMP
LAMP	1 AMP
CONTACT BOUNCE AT NOMINAL VOLTAGE (SECONDS)	.004 MAX

NOTE: OTHER AUXILIARY CONTACT FORMS ARE
AVAILABLE. PLEASE CONTACT FACTORY.