



Application Notes:

101
102
103E
007

- Polarized, nonlatching hermetically sealed relay

• Contact arrangement **3PST/NO**

• Designed to the performance standards of **MIL-PRF-6106**

PRINCIPLE TECHNICAL CHARACTERISTICS

- Contacts rated for **28 Vdc; 115 Vac, 400 Hz, 1 Ø and 115/200 Vac, 400 Hz, 3 Ø @400 Vac 60 Hz DELTA**
- Weight **0.80 lbs. max**
- Dimensions **1.46 x 2.5 x 2.45 in. max**
- **Balanced-force design, all welded construction**
- **Hermetically sealed, corrosion protected metal can**
- **No make before break**
- **Special models available upon request**

CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per pole and load type	Load current in Amps				
	28 VDC	115 Vac /400Hz	115/200 Vac 400 Hz, 3Ø	120/208 Vac 50/60 Hz 1 & 3 Ø	@400 Vac 60 Hz DELTA
Resistive	25A	25A	25A	25A	3.5A
Inductive	15A	25A	25A	25A	-
Motor	20A	20A	20A	12A	-
Lamp	10A	10A	10A	10A	-
Resistive overload	80A	120A	120A	-	-
Rupture resistive	100A	150A	150A	-	-

COIL CHARACTERISTICS (Vdc)

COIL DATA	28 Vdc	115 Vac 400 Hz	115 Vac 50/60 Hz	Suppressed Vdc
Nominal operating voltage	28	115	115	28
Maximum operating voltage	29	128	124	29
Maximum Pick-up voltage @ +125° C	18	95	95	18
Drop-out voltage, max	7	40	40	7
Coil resistance $\Omega \pm 10\%$ at +25° C	160	-	-	160
Coil current max. mA at +25° C	-	55	60	-

GENERAL CHARACTERISTICS

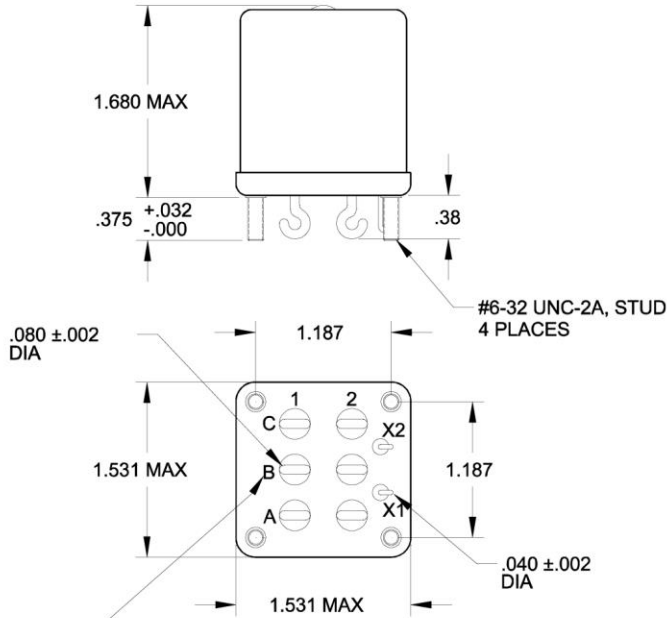
Temperature range	-70°C to +125°C
Dielectric strength at sea level all points	
All circuits to ground and circuit to circuit	1500 Vrms / 50 Hz
Coil to ground	1250 Vrms / 50 Hz
Dielectric strength at altitude 80,000 ft	500 Vrms / 50Hz (250 Vrms gasket compressed)
Insulation resistance	
Initial (500 Vdc)	100 M Ω min
Sinusoidal vibration	10G (55 to 1500 Hz)
Mechanical shock	50 G / 11 ms
Maximum contact opening time under vibration and shock	10 μ sec
Operate time at nominal voltage	
DC	20 ms max
AC	20 ms max
Release time at nominal voltage	
DC	10 ms max
AC	50 ms max
Contact make bounce at nominal voltage	2 ms max

Unless otherwise noted, the specified temperature range applies to all relay characteristics.

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

MOUNTING STYLES

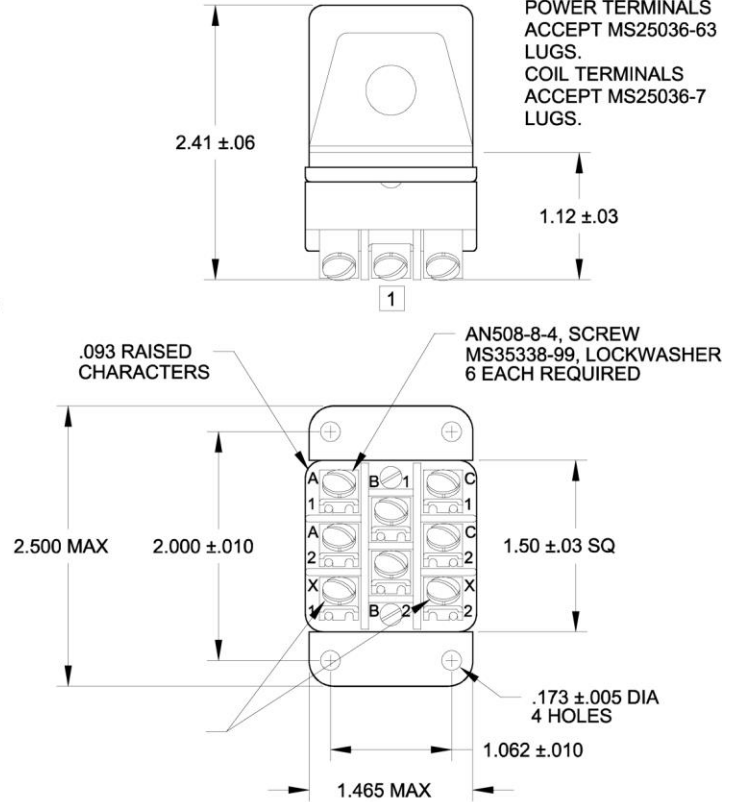
MOUNTING STYLE 1



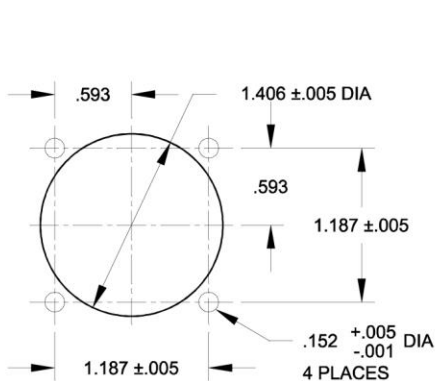
LETTERS AND NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON HEADER
LES CHIFFRES ET LES LETTRES SONT POUR LA REFERENCE UNIQUEMENT, ELLES N'APPARAISSENT PAS SUR LA TETE

MODEL NUMBER	WEIGHT (MAX)
9324-8214	.50 LB
9324-8215	.50 LB
9324-10126	.50 LB
9324-10314	.51 LB

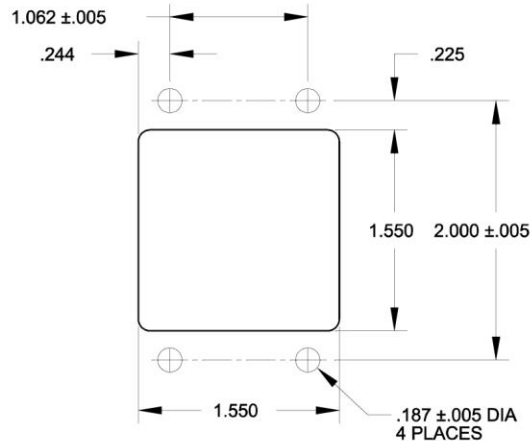
MOUNTING STYLE 2



MODEL NUMBER	WEIGHT (MAX)
9324-7424	.60 LB
9324-8213	.60 LB
9324-7871	.65 LB
9324-10128	.65 LB
9324-10315	.66 LB



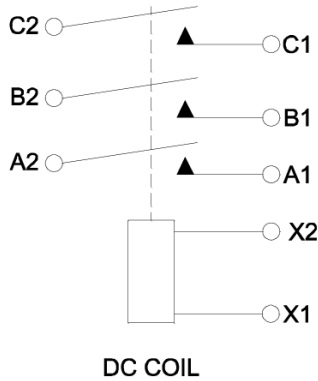
SUGGESTED MOUNTING HOLE LAYOUT FOR STUD MOUNTING
SUGGESTION DE LA DISPOSITION DES TROUS DE MONTAGE POUR MONTAGE AVEC GOUJON



SUGGESTED MOUNTING HOLE LAYOUT FOR BRACKET MOUNTING
SUGGESTION DE LA DISPOSITION DES TROUS DE MONTAGE POUR MONTAGE SUR STRUCTURE

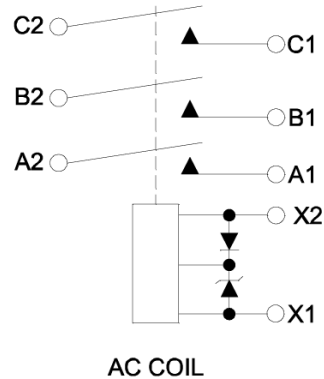
SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAM 1



MODEL NUMBER
9324-8214
9324-7424

SCHEMATIC DIAGRAM 2



MODEL NUMBER
9324-8213
9324-8215
9324-7871
9324-10126
9324-10128

NUMBERING SYSTEM

TERMINAL	MOUNTING	28 VDC	SUPPRESSED 28 VDC	115 VAC, 400 HZ	115 VAC, 60 HZ
Solder Hook	Stud	9324-8214 MS27418-1B	9324-10314 MS27418-1D	9324-8215 MS27418-1A	9324-10126 MS27418-1C
Screw	Bracket	9324-7424 MS27418-2B	9324-10315 MS27418-2D	9324-8213 MS27418-2A	9324-7871 9324-10128 MS27418-2C

*Specials available upon request, please contact factory.

NOTES

1. Isolation spacer pads for PCB mounting available on request.
2. For other mounting styles or terminal types, please contact the factory
3. Qualification and quality levels : Contact the factory
4. Coil time constant L/R : 11ms
5. Relay will not be damaged by applying reverse voltage to the coil although the relay may transfer.
6. Suppressed coils have back EMF suppression to 42 Volts.

For any inquiries, please contact your local sales representative: leachcorp.com