LEACH®

9274
RELAY – NONLATCH
4 PDT, 15 AMP

- **Polarized, nonlatching hermetically sealed relay**
- **Contact arrangement** — **4 PDT**
- **Coil Supply** — **Direct or Alternating current**
- **Qualified to and in accordance with** — **MIL-PRF-6106**

Application Notes:
101
102
103D
007

PRINCIPLE TECHNICAL CHARACTERISTICS

• **Contacts rated at**	**28 Vdc; 115 Vac, 400 Hz, 1 Ø and 115/200 Vac, 400 Hz, 3 Ø**
• **Weight**	0.80 lbs. max
• **Dimensions**	1.80 x 2.06 x 2.06 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 [1]	Load current in Amps						
	28 VDC		115 Vac 400 Hz		115/200 Vac 400 Hz, 3, Ø		115/200 Vac 3 Ø 115 Vac 60 Hz
Resistive	10A	15A [2]	15A	-	15A	-	10A
Inductive [5]	10A	-	10A	-	10A	-	6A
Motor	6A	8A [2]	6A	8A [2]	6A	8A [2]	4A
Lamp	3A	4A [2]	3A	4A [2]	3A	4A [2]	2A

COIL CHARACTERISTICS (Vdc)

COIL DATA	28 Vdc	115 Vac 400 Hz [3]	115 Vac 60 Hz	Suppressed Vdc [4]
Nominal operating voltage	28	115	115	28
Maximum operating voltage	30	124	124	30
Pick-up voltage, maximum at +125° C	18	90	95	18
Drop-out voltage, max	7	30	35	7
Coil resistance Ω ±10% at +25° C	92	-	-	92
Coil current max. mA at +25° C	-	100	100	-

GENERAL CHARACTERISTICS

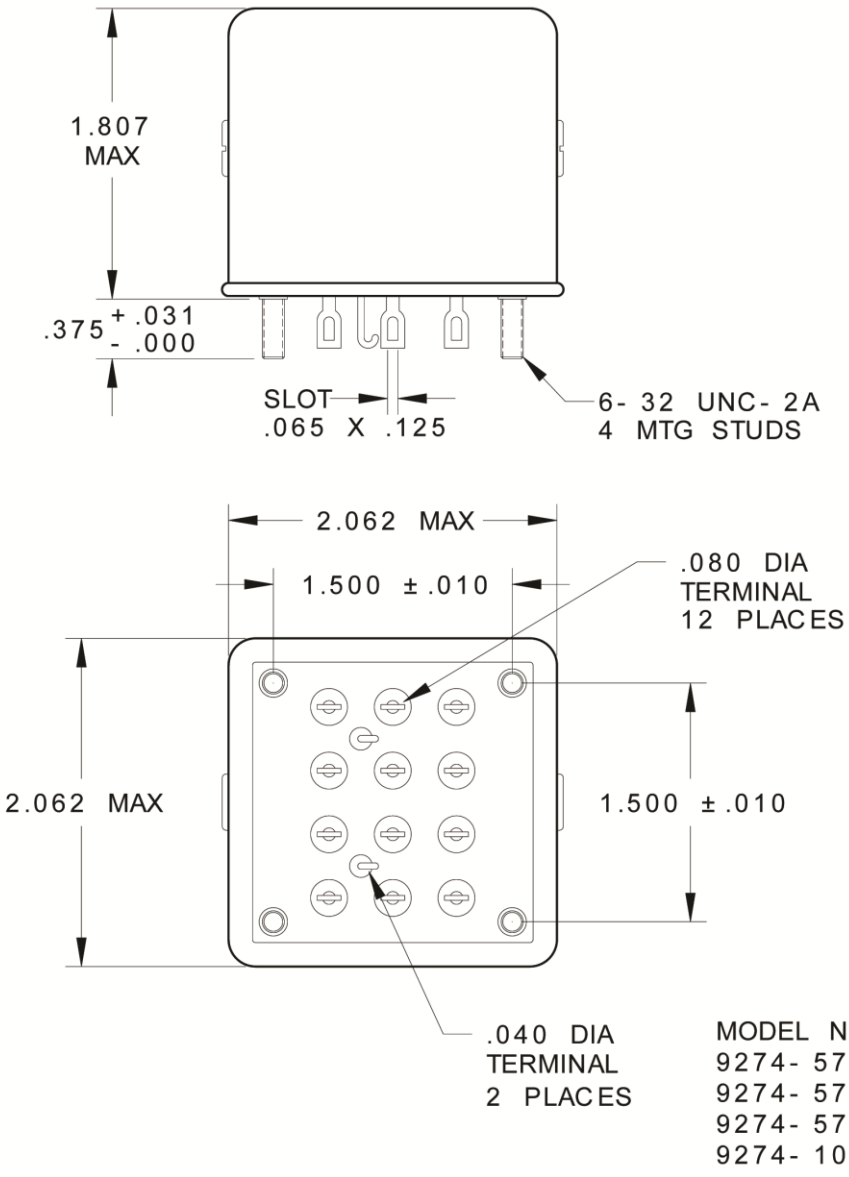
Temperature range	-70°C to +125°C
Minimum operating cycles (life) at rated load	100,000
Minimum operating cycles (life) at 25% rated load	400,000
Dielectric strength at sea level	
All circuits to ground and circuit to circuit	2000 Vrms / 50 Hz
Coil to ground	1000 Vrms / 50 Hz
Dielectric strength at altitude 80,000 ft	700 Vrms / 50Hz (350 Vrms gasket compressed)
Insulation resistance (at 500 Vdc)	100 M Ω min
Sinusoidal vibration	(36-500 Hz) 20 G (500-1,000 Hz) 15 G (1,000-2,000 Hz) 10 G
Mechanical shock	50 G / 11 ms
Maximum contact opening time under shock or vibration	10 µ sec
Operate time at nominal voltage	25 ms max
Release time at nominal voltage	
DC	20 ms max
AC	50 ms max
Contact make bounce at nominal voltage	
N.C. Contacts	5 ms max
N.O. Contacts	3 ms max

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

MOUNTING STYLES

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

MOUNTING STYLE 1

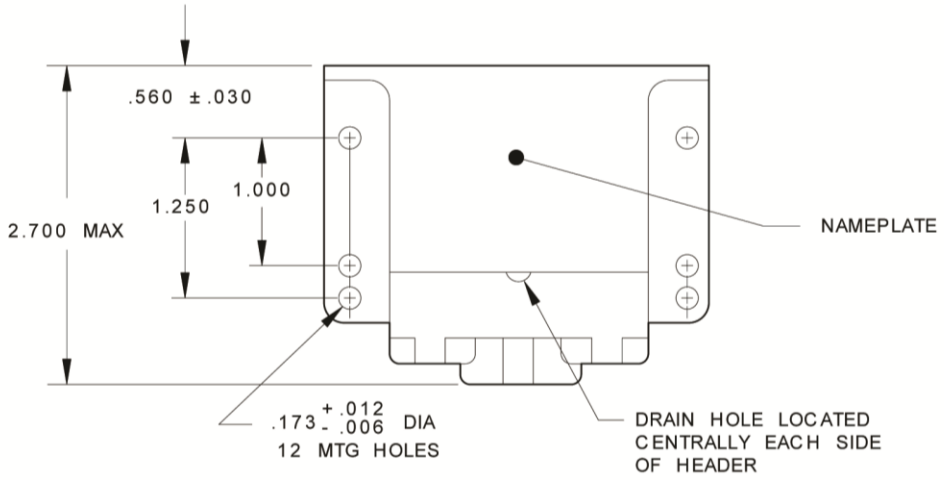


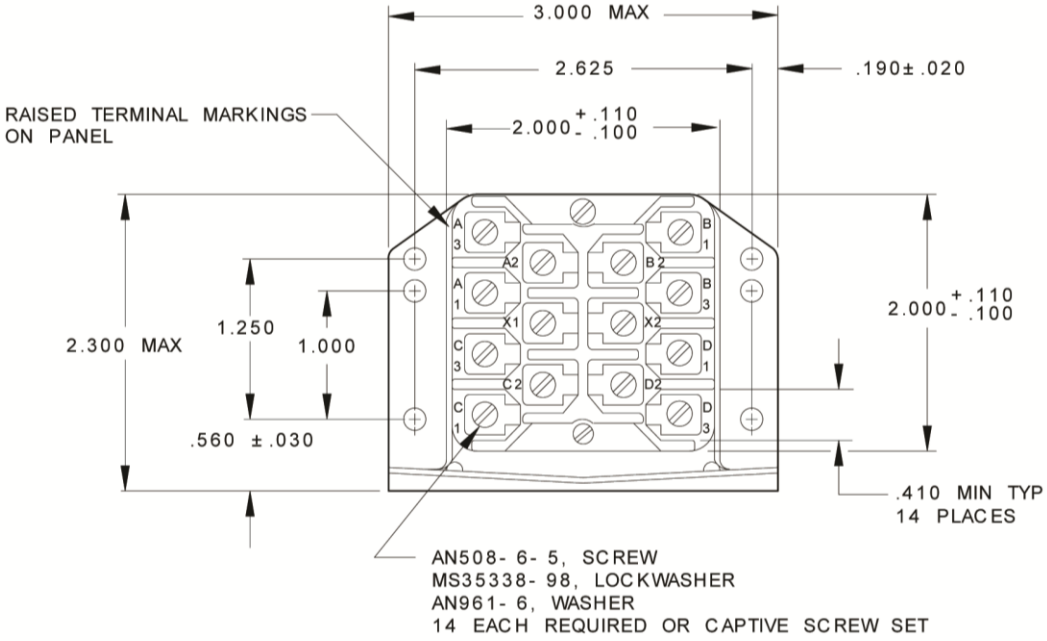
MODEL NUMBER	WEIGHT (MAX)
9274-5770	.70 LB
9274-5771	.73 LB
9274-5772	.73 LB
9274-10380	

MOUNTING STYLES

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

MOUNTING STYLE 2

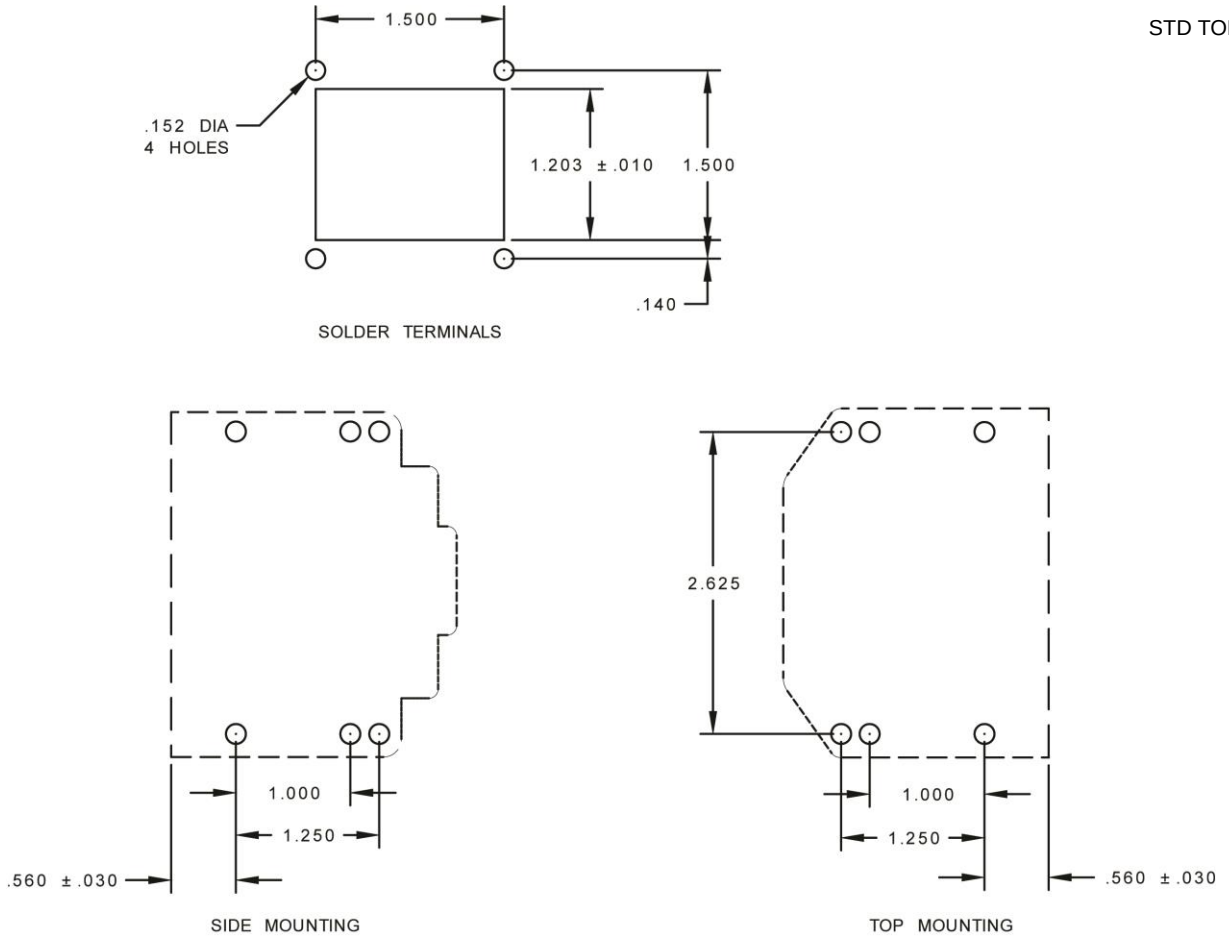




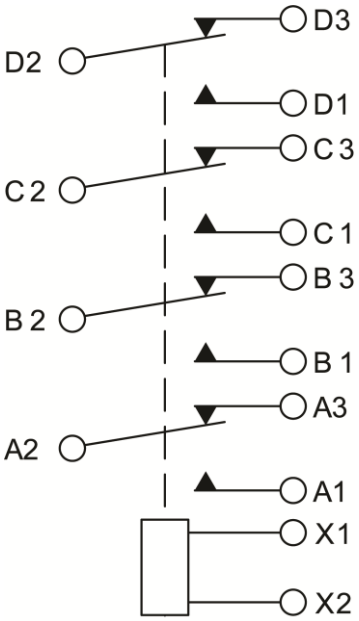
MODEL NUMBER	WEIGHT (MAX)
9274-6205	.73 LB
9274-6667	.73 LB
9274-5569	.80 LB
9274-10381	.73 LB
9274-10291	.80 LB

MOUNTING DIMENSIONS

STD TOL: ± .005



SCHEMATIC DIAGRAM



NUMBERING SYSTEM

TERMINAL	MOUNTING	28 VDC	SUPPRESSED 28 VDC [4]	115 VAC, 400 HZ [3]	115 VAC, 60 HZ
Solder terminal Flat & pierced	Stud	9274-5770	9274-10380	9274-5771	9274-5772
Screw	Bracket	9274-6205 MS24568-D1	9274-10381	9274-6667 MS24568-A1	9274-5569 9274-10291 MS24568-A2
*Specials available upon request, please contact factory.					

NOTES

1. **Standard intermediate current test applicable.**
2. **Values beyond applicable military specification requirements.**
3. **May be used on 115 Vac, 60 Hz if maximum ambient temperature is limited to +85°C.**
4. **Coils have back EMF suppression to 42 Volts.**
5. **Inductive load life is 20 percent of rated resistive load life.**
6. **Applicable military specification: MIL-PRF-6106.**

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