



Line Replaceable Contactor (LRC)  
Balanced-Force design

Meets the standards and requirements of

**MIL-PRF-6106**

Contact arrangement

**3 PST/NO**

**PRINCIPLE TECHNICAL CHARACTERISTICS**

Contacts rated at

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

Weight

**3.50lbs max**

Dimensions

**4.43 in. x 4.43 in. x 3.70 in.**

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

**CONTACT ELECTRICAL CHARACTERISTICS**

| Contact rating per pole and load type | Load current in Amps           |
|---------------------------------------|--------------------------------|
|                                       | <b>115/200 Vac, 400 Hz, 3Ø</b> |
| Resistive                             | 275                            |
| Inductive                             | 275                            |
| Motor                                 | 175                            |



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

**COIL CHARACTERISTICS (Vdc)****SERIES W-X9YN**

|                            |                 |
|----------------------------|-----------------|
| Nominal operating voltage  | 28 Vdc          |
| Pick-up voltage            | 15 Vdc          |
| Drop-out voltage           | 1.5 to 10 Vdc   |
| Maximum pick-up time       | 20 ms at 20 Vdc |
| Maximum drop-out time      | 20 ms           |
| Maximum pick-up current    | 6 Amp           |
| Maximum hold current       | .8 Amp          |
| Minimum hold voltage       | 10 Vdc          |
| Coil transient suppression | +/- 45 V max    |

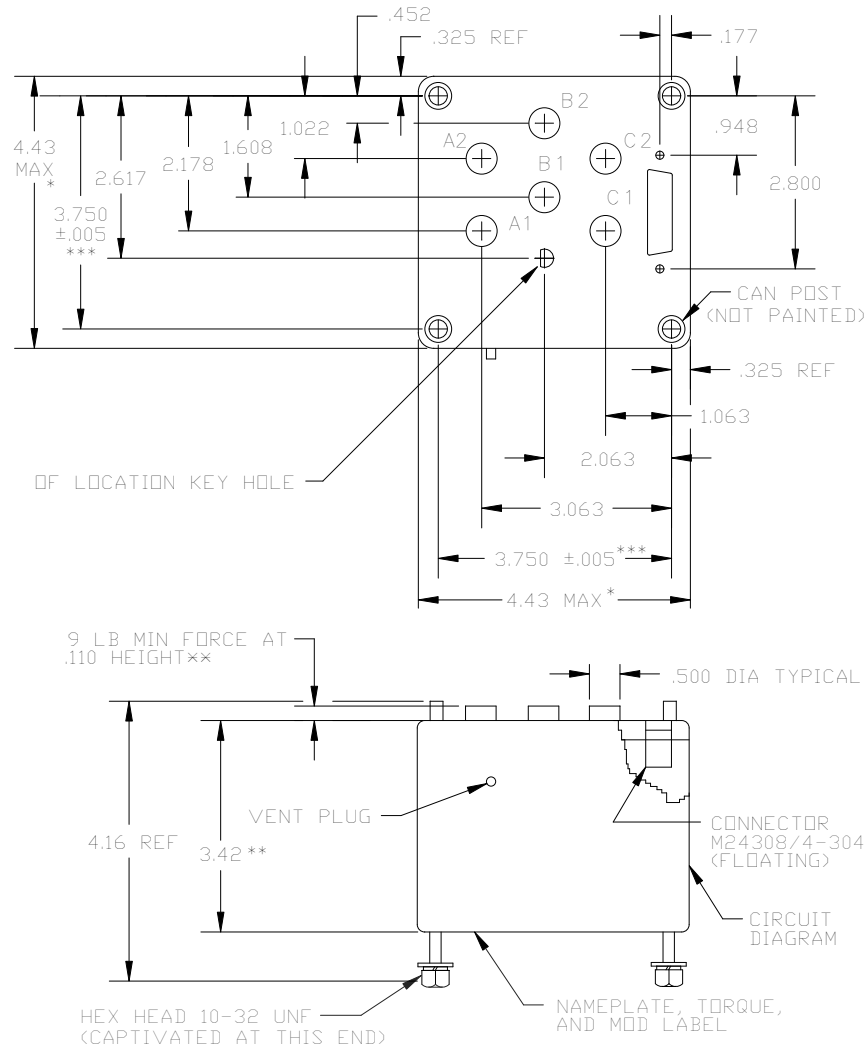
**GENERAL CHARACTERISTICS**

| Contact Data                                   | Main Contacts        | Aux Contacts                                  |
|--|----------------------|---|
| -Configuration                                 | 3PST NO              | 2X 1PST NC, 3X 1PST NO                        |
| -Supply voltage                                | 115/200 Vac          | 28 Vdc  |
| -Continuous current                            | 275 Amp at .5PF      | 100mA; compatible with a 7.5A circuit breaker |
| -Rupture current                               | 1600 Amp             | -   |
| -Overload                                      | 520 Amp              | -   |
| -Maximum contact bounce                        | 3 ms                 | 3 ms  |
| -Simultaneous operation                        | 3 ms                 | 3 ms  |
| Electrical life                                |                      |   |
| -At ambient pressure                           | 25,000 operations    |   |
| -At 45,000 ft                                  | 25,000 operations    |   |
| Mechanical life                                | 100,000 operations   |   |
| Insulation resistance                          | ≥ 40 M Ω at 500 Vrms |   |
| Dielectric Strength                            |                      |   |
| -All circuits to ground                        | 1500 Vrms            |   |
| -Circuit to circuit to ground and aux contacts | 1250 Vrms            |   |
| Altitude                                       | 45,000 ft            |   |
| Continuous operating temperature range         | -15°C to +65°C       |   |

**NUMBERING SYSTEM**

|                               |              |
|-------------------------------|--------------|
|                               | W-X9YN - XXX |
| Basic series designation_____ |              |
| Customer configuration_____   |              |

275 A LRC  
 3 PST-N.O. WITH 5 PST AUX  
 W-X9YN-029



SCHEMATIC

