Line Replaceable Contactor (LRC)
Balanced-Force design
Designed to the performance standards of MIL-PRF-6106
Contact arrangement 3 PDT

**PRINCIPLE TECHNICAL CHARACTERISTICS**

Contacts rated at 28 Vdc and 115/200, 400Hz, 3Ø
Weight 2.37lbs max
Dimensions 3.63 in. x 3.63 in. x 3.70 in.
Special units available upon request, including models with auxiliary contacts and center-off contact arrangement.

### CONTACT ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Contact rating per pole and load type</th>
<th>Load current in Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>115/200 Vac, 400 Hz, 3Ø</td>
<td></td>
</tr>
<tr>
<td>Resistive</td>
<td>100</td>
</tr>
<tr>
<td>Inductive</td>
<td>100</td>
</tr>
<tr>
<td>Motor</td>
<td>65</td>
</tr>
</tbody>
</table>

---

**Featuring LEACH© power and control solutions**

www.esterline.com
### COIL CHARACTERISTICS (Vdc)  
**SERIES Z-X9YN**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal operating voltage</td>
<td>28 Vdc</td>
</tr>
<tr>
<td>Pick-up voltage</td>
<td>18 Vdc</td>
</tr>
<tr>
<td>Drop-out voltage</td>
<td>1.5 to 7 Vdc</td>
</tr>
<tr>
<td>Maximum pick-up time</td>
<td>50 ms</td>
</tr>
<tr>
<td>Maximum drop-out time</td>
<td>20 ms at 28 Vdc</td>
</tr>
<tr>
<td>Maximum pick-up current</td>
<td>4 Amp (shall not trip a 5 Amp circuit breaker)</td>
</tr>
<tr>
<td>Maximum hold current at 28 Vdc</td>
<td>.27 Amp</td>
</tr>
<tr>
<td>Minimum hold voltage</td>
<td>10 Vdc</td>
</tr>
<tr>
<td>Coil transient suppression</td>
<td>+/- 45 V max</td>
</tr>
</tbody>
</table>

### GENERAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Contact Data</th>
<th>Main Contacts</th>
<th>Aux Contacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Configuration</td>
<td>3PDT</td>
<td>3X 1PDT</td>
</tr>
<tr>
<td>-Supply voltage</td>
<td>115/200 Vac</td>
<td>28 Vdc</td>
</tr>
<tr>
<td>-Continuous current</td>
<td>100 Amp at .65PF</td>
<td>5 Amp resistive</td>
</tr>
<tr>
<td>-Rupture current</td>
<td>1000 Amp</td>
<td>-</td>
</tr>
<tr>
<td>-Overload</td>
<td>400 Amp</td>
<td>-</td>
</tr>
<tr>
<td>-Maximum contact bounce</td>
<td>3 ms</td>
<td>5 ms</td>
</tr>
<tr>
<td>-Simultaneous operation</td>
<td>5 ms</td>
<td>5 ms</td>
</tr>
</tbody>
</table>

**Electrical life**
- At 45,000 ft: 25,000 operations
- At ambient pressure: 25,000 operations

**Mechanical life**: 100,000 operations

**Altitude**: 45,000 ft

**Continuous operating temperature range**: -15°C to +65°C

### NUMBERING SYSTEM

```
Z-X9YN - XXX

Basic series designation__________________________|    |
Customer configuration____________________________|
```

*Date of issue: 01/07*