Ledex® Box Frame Size B14HD

Part Number: B14HD - 2XX - B- X

- 4 - 10 Inch (254 mm) leads
- 6 - Terminals

Coil Selection (from performance chart below)

2 - Conical Pole Configuration

Specifications

<table>
<thead>
<tr>
<th>Operation</th>
<th>Pull</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dielectric Strength</td>
<td>1000 VRMS for one second</td>
</tr>
<tr>
<td>Continuous Duty Cycle</td>
<td>100% at 20°C ambient temperature</td>
</tr>
<tr>
<td>Intermittent Duty Cycle</td>
<td>See below</td>
</tr>
<tr>
<td>Holding Force</td>
<td>6.38 lbs (28.4 N) at 20°C</td>
</tr>
<tr>
<td>Coil Insulation</td>
<td>Class “B”; 130°C max.</td>
</tr>
<tr>
<td>Coil Termination</td>
<td>10” (254 mm) PVC lead wires or terminal</td>
</tr>
<tr>
<td>Plunger Weight</td>
<td>0.86 oz. (24.4 g)</td>
</tr>
<tr>
<td>Total Weight</td>
<td>3.47 oz. (98.4 g)</td>
</tr>
</tbody>
</table>

Performance

Maximum Duty Cycle

<table>
<thead>
<tr>
<th>100%</th>
<th>50%</th>
<th>25%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>∞</td>
<td>100</td>
<td>27</td>
<td>7</td>
</tr>
</tbody>
</table>

Maximum ON Time (sec) when pulsed continuously

| 5.5 | 11 | 22 | 55  |

Maximum ON Time (sec) for single pulse

| 663 | 938 | 1326 | 2097 |

Coil Data

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Resistance (20°C)</th>
<th>Ref #</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
<th>VDC (Nom)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B14HD-258-B-X</td>
<td>1.65</td>
<td>321</td>
<td>3.0</td>
<td>4.3</td>
<td>6.1</td>
<td>9.7</td>
</tr>
<tr>
<td>B14HD-257-B-X</td>
<td>7.0</td>
<td>750</td>
<td>6.0</td>
<td>8.7</td>
<td>12.4</td>
<td>19.6</td>
</tr>
<tr>
<td>B14HD-256-B-X</td>
<td>14.2</td>
<td>1068</td>
<td>9.0</td>
<td>12.5</td>
<td>17.6</td>
<td>27.9</td>
</tr>
<tr>
<td>B14HD-254-B-X</td>
<td>27.5</td>
<td>1470</td>
<td>12.0</td>
<td>17.4</td>
<td>24.6</td>
<td>38.9</td>
</tr>
<tr>
<td>B14HD-253-B-X</td>
<td>110.2</td>
<td>2920</td>
<td>24.0</td>
<td>34.8</td>
<td>49.2</td>
<td>77.8</td>
</tr>
</tbody>
</table>

How to Order

Select the part number from the table provided. (For example, to order a 25% duty cycle unit rated at 6.1 VDC with 10” lead wires, specify B14HD-258-B-4.

Please see www.ledex.com for our list of stock products available through our North American distributors.

NOTES:
1. All data is typical.
2. Force testing is done with the solenoid in the horizontal position.
3. All data reflects operation with no heat sink.
4. Pull versions standard; push versions available.
5. Magnetic latching version available.

All specifications subject to change without notice.

Ledex® Solenoids

www.ledex.com  1.937.454.2345  Fax: 1.937.898.8624

All products are RoHS Compliant

Force values for reference only.
**Ledex® Box Frame**

**Size B14HD**

## Dimensions

All solenoids are illustrated in energized state

---

### Lead Wire Models

- **Ø0.118 ± 0.002** (3.00 ± 0.05)
- **Ø0.157** (4.00)
- **0.319 ± 0.010** (8.10 ± 0.25)
- **0.820 ± 0.016** (20.84 ± 0.41)

---

### Terminal Connection Models

- **Ø0.118 ± 0.005** (3.51 ± 0.13)
- **0.373 (9.48)** Ref. to Bobin Flange
- **0.24 (6.0)** Max. Engagement
- **0.55 ± 0.20** (13.9 ± 5.1)

---

### Terminal Mates

- **0.110 ± 0.005** (2.79 ± 13)
- **0.119 ± 0.010** (3.00 ± 0.25)
- **0.118 ± 0.010** (3.00 ± 0.25)
- **0.118 ± 0.010** (3.00 ± 0.25)

---

### Lead Wire Thread Models

- **6-32 Thd Typ (4)** (2 Holes This Side; 2 Holes Opposite Side)
- **M4 - 0.7 Thd Typ (4)** (2 Holes This Side; 2 Holes Opposite Side)

---

### Terminal Connection Thread Models

- **6-32 Thd Typ (4)** (2 Holes This Side; 2 Holes Opposite Side)
- **M4 - 0.7 Thd Typ (4)** (2 Holes This Side; 2 Holes Opposite Side)

---

### Terminal Connection Thickness

- **0.020 ± 0.003** (0.51 ± 0.08)

---

### Terminal Thickness

- **0.020 ± 0.003** (0.51 ± 0.08)

---

**Inches (mm)**