Ledex® Magnetic Latching  Box Frame Size B14HDP-L

Specifications

Operation Push
Dielectric Strength 1000 VRMS for one second
Unlatch Voltage See schematic and coil data below
Magnetic Holding Force* Conical: 8.7 lb (38 N)
Flat Face: 12.6 lb (56 N)
Coil Insulation Class “B”: 130°C max.
Coil Termination 10’ (254 mm) PVC lead wires or terminal
Plunger Pole Face Flat face or conical
Plunger Weight 0.91 oz. (25.8g)
Total Weight 3.53 oz. (100.1 g)
* In no power, latched position, with return spring

Performance

Maximum Duty Cycle

Unlatch Voltage 50% 25% 10%
Recommended Max ON Time (sec) 1 1 1 1
Watts (@ 20°C) 11 11 22 55
Ampere Turns (@ 20°C) 940 938 1326 2097

Coil Data

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Resistance (@20°C)</th>
<th>Ref #</th>
<th>VDC VDC VDC VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Turns</td>
<td>(Nom) (Nom) (Nom) (Nom)</td>
</tr>
<tr>
<td>B14HDP-L-X58-B-X</td>
<td>1.45</td>
<td>321</td>
<td>4.4</td>
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<tr>
<td>B14HDP-L-X57-B-X</td>
<td>7.0</td>
<td>750</td>
<td>8.9</td>
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<td>B14HDP-L-X56-B-X</td>
<td>14.2</td>
<td>1068</td>
<td>12.7</td>
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<td>B14HDP-L-X54-B-X</td>
<td>27.5</td>
<td>1470</td>
<td>17.7</td>
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<tr>
<td>B14HDP-L-X53-B-X</td>
<td>110.2</td>
<td>2920</td>
<td>35.4</td>
</tr>
</tbody>
</table>

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.

How to Order

Select the part number from the table provided. (For example, to order a 25% duty cycle unit with a conical pole configuration rated at 6.1 VDC with 10” lead wires, specify B14HDP-L-258-B-4.

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

All specifications subject to change without notice.
**Dimensions**

All solenoids are illustrated in energized state.

### Lead Wire 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)

### Energized Position

- **Terminal Centers**
- **Terminal Thickness**

### Terminal Connection Models

- **Non-Energized Position**
- **Energized Position**

**Max. Engagement**

- **0.373 (9.48)** Ref. to Bobin Flange
- **0.55 ± 0.20 (13.9 ± 5.1)**
- **0.110 ± 0.005 (2.79 ± 13)**

**Terminal Mates with DIN 46247**