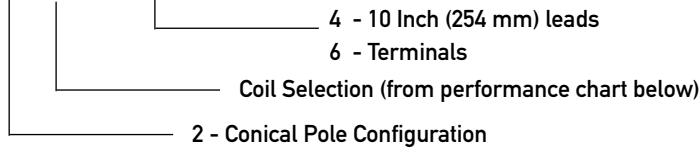


# Ledex® Box Frame Size B14HD

LINEAR Open Frame

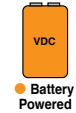
Part Number: B14HD - 2 XX - B- X

All products are RoHS Compliant



## Specifications

|                         |   |
|-------------------------|---|
| Operation               | Pull                                    |
| Dielectric Strength     | 1000 VRMS for one second                |
| Continuous Duty Cycle   | 100% at 20°C ambient temperature        |
| Intermittent Duty Cycle | See below                               |
| Holding Force           | 6.38 lbs (28.4 N) at 20°C               |
| Coil Insulation         | Class "B": 130°C max.                   |
| Coil Termination        | 10" (254 mm) PVC lead wires or terminal |
| Plunger Weight          | 0.86 oz. (24.4 g)                       |
| Total Weight            | 3.47 oz. (98.4 g)                       |



## Performance

| Maximum Duty Cycle                             | 100% | 50% | 25%  | 10%  |
|--|------|-----|------|------|
| Maximum ON Time (sec) when pulsed continuously | ∞    | 100 | 27   | 7    |
| Maximum ON Time (sec) for single pulse         | ∞    | 326 | 100  | 28   |
| Watts (@ 20°C)                                 | 5.5  | 11  | 22   | 55   |
| Ampere Turns (@ 20°C)                          | 663  | 938 | 1326 | 2097 |

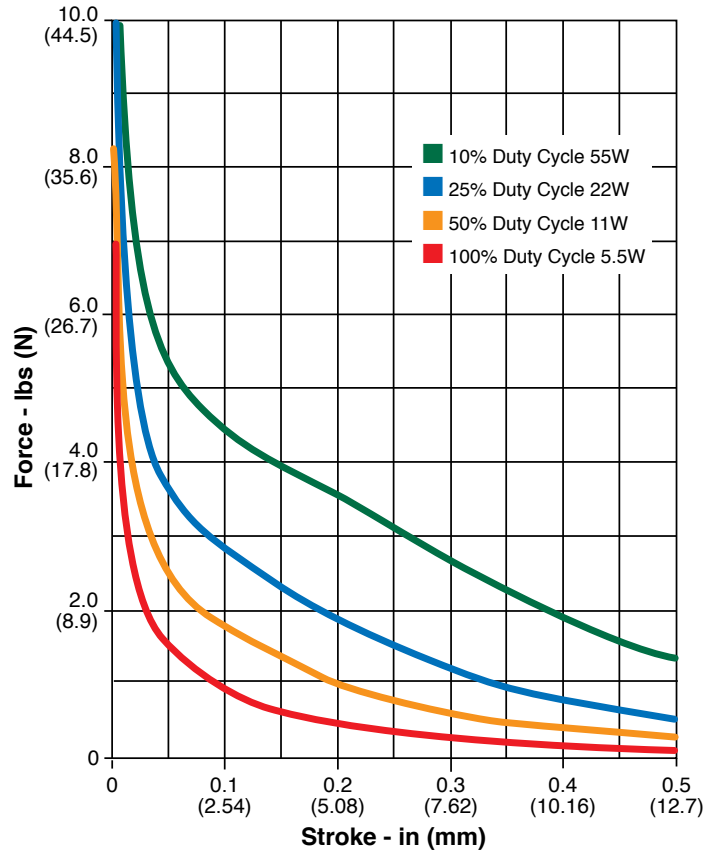
## Coil Data

| Part Number   | Resistance (@20°C) | Ref # Turns | VDC (Nom) | VDC (Nom) | VDC (Nom) | VDC (Nom) |
|---------------|--------------------|-------------|-----------|-----------|-----------|-----------|
| B14HD-258-B-X | 1.45               | 321         | 3.0       | 4.3       | 6.1       | 9.7       |
| B14HD-257-B-X | 7.0                | 750         | 6.0       | 8.7       | 12.4      | 19.6      |
| B14HD-256-B-X | 14.2               | 1068        | 9.0       | 12.5      | 17.6      | 27.9      |
| B14HD-254-B-X | 27.5               | 1470        | 12.0      | 17.4      | 24.6      | 38.9      |
| B14HD-253-B-X | 110.2              | 2920        | 24.0      | 34.8      | 49.2      | 77.8      |

## NOTES:

- All data is typical.
- Force testing is done with the solenoid in the horizontal position.
- All data reflects operation with no heat sink.
- Pull versions standard; push versions available.
- Magnetic latching version available.

## Typical Force @ 20°C



## 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](http://www.ledex.com) for our list of stock products available through our North American distributors.

All specifications subject to change without notice.

Force values for reference only.

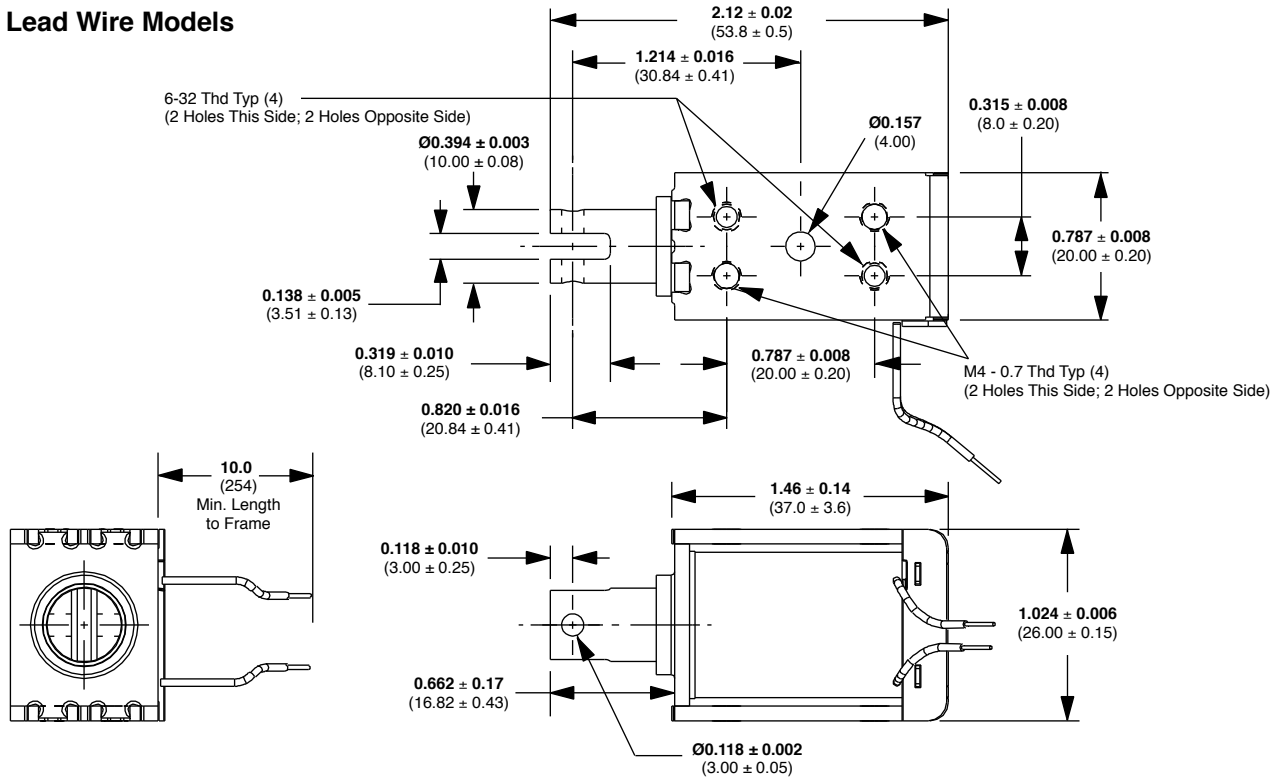
# Ledex® Box Frame Size B14HD

## Dimensions

Inches (mm)

All solenoids are illustrated in energized state

### Lead Wire Models



### Terminal Connection Models

