

# Ledex® Box Frame Size B4HD

Part Number: B4HD - **XXX** - M- 36

All products are RoHS Compliant

LINEAR Open Frame

Select from performance chart below

## Specifications

|                         |                                  |
|-------------------------|----------------------------------|
| Operation               | Pull                             |
| Dielectric Strength     | 1500 VRMS for one second         |
| Continuous Duty Cycle   | 100% at 20°C ambient temperature |
| Intermittent Duty Cycle | See below                        |
| Holding Force           | 11.7 lbs (52 N) at 20°C          |
| Coil Insulation         | Class "A": 105°C max.            |
| Coil Termination        | 3/16" QC                         |
| Plunger Weight          | 2.4 oz. (66.6 g)                 |
| Total Weight            | 13.5 oz. (382.7 g)               |

## Performance

| Maximum Duty Cycle                                | 100% | 50%  | 25%  | 10%  |
|---|------|------|------|------|
| Maximum ON Time (sec)<br>when pulsed continuously | ∞    | 83   | 34   | 13   |
| Maximum ON Time (sec)<br>for single pulse         | ∞    | 609  | 207  | 66   |
| Watts (@ 20°C)                                    | 12.5 | 25   | 50   | 125  |
| Ampere Turns (@ 20°C)                             | 1536 | 2174 | 3073 | 4860 |

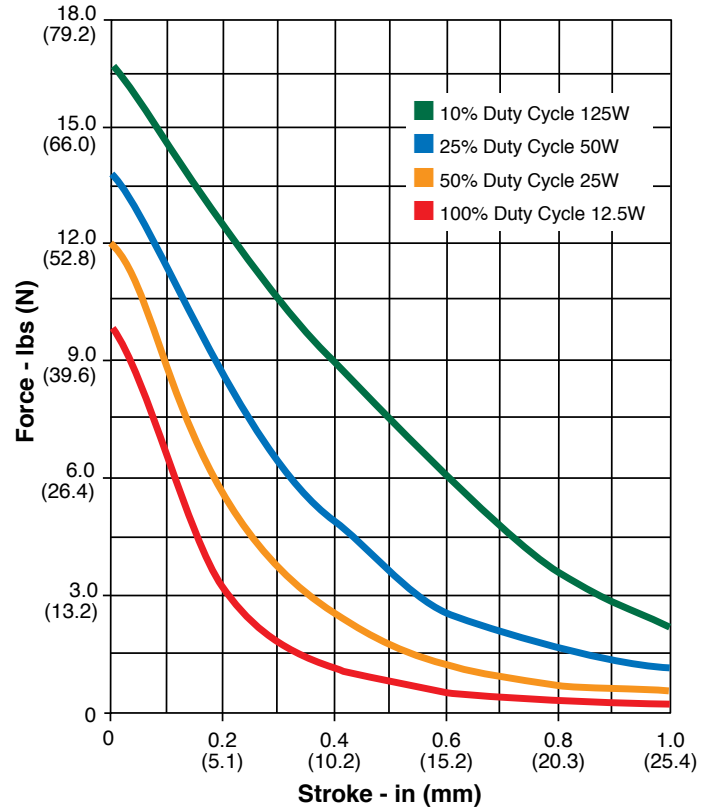
## Coil Data

| Part Number   | Resistance<br>(@20°C) | Ref #<br>Turns | VDC<br>(Nom) | VDC<br>(Nom) | VDC<br>(Nom) | VDC<br>(Nom) |
|---------------|-----------------------|----------------|--------------|--------------|--------------|--------------|
| B4HD-255-M-36 | 2.94                  | 754            | 6            | 8.5          | 12           | 19           |
| B4HD-254-M-36 | 11.42                 | 1467           | 12           | 17           | 24           | 38           |
| B4HD-253-M-36 | 46.83                 | 2964           | 24           | 34           | 48           | 76           |
| B4HD-252-M-36 | 181                   | 5724           | 48           | 68           | 96           | 152          |
| B4HD-251-M-36 | 1157                  | 14239          | 120          | 170          | 240          | 380          |

## NOTES:

- All data is typical.
- Force testing is done with the solenoid in the horizontal position.
- All data reflects operation with no heatsink.
- Pull versions standard; push versions available.
- Other coil terminations 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 48 VDC, specify B4HD-253-M-36.

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 B4HD

## Dimensions

Inches (mm)

All solenoids are illustrated in energized state

