

# Ledex® Magnetic Latching Box Frame Size B14HD-L

LINEAR Open Frame

Part Number: B14HD - L - X XX - B - X

All products are RoHS Compliant

4 - 254 mm leads  
6 - Terminals

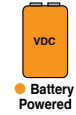
Coil Selection (from performance chart below)

Pole Configuration  
1 - Flat Face  
2 - Conical

## Specifications

Operation	Pull
Dielectric Strength	1000 VRMS for one second
Unlatch Voltage	See schematic and coil data below
Magnetic Holding Force*	Conical: 38 N Flat Face: 56 N
Coil Insulation	Class "B": 130°C max.
Coil Termination	254 mm PVC lead wires or terminal
Plunger Pole Face	Flat face or conical
Plunger Weight	24.4 g
Total Weight	98.4 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	
Watts (@ 20°C)	11	11	22	55
Ampere Turns (@ 20°C)	940	938	1326	2097

## Coil Data

Part Number	Resistance (@20°C)	Ref # Turns	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
B14HD-L-X58-B-X	1.45	321	4.4	4.3	6.1	9.7
B14HD-L-X57-B-X	7.0	750	8.9	8.7	12.4	19.6
B14HD-L-X56-B-X	14.2	1068	12.7	12.5	17.6	27.9
B14HD-L-X54-B-X	27.5	1470	17.7	17.4	24.6	38.9
B14HD-L-X53-B-X	110.2	2920	35.4	34.8	49.2	77.8

## NOTES:

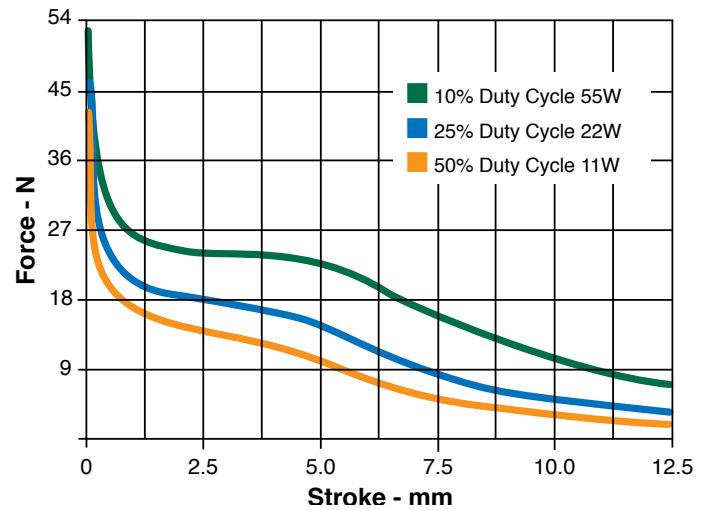
- All data is typical.
- Force testing is done with the solenoid in the horizontal position.
- All data reflects operation with no heat sink.

## How to Order

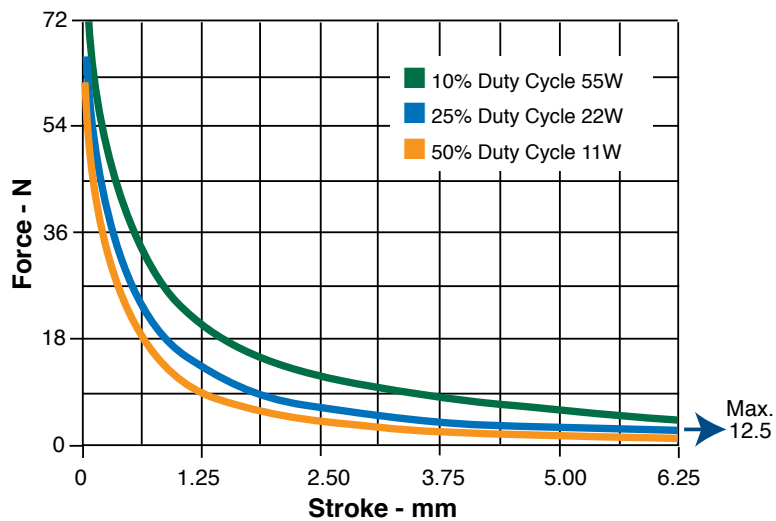
Select the part number from the table provided. (For example, to order a 25% duty cycle unit with a conical pole configuration rated at 6.1 VDC with 254 mm lead wires, specify B14HD-L-258-B-4.

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

## Typical Force @ 20°C – Conical (net with spring)



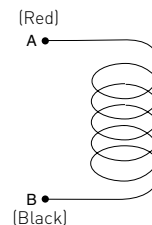
## Typical Force @ 20°C – Flat Face (net with spring)



## Coil Polarity

Latch: A+ B-

Unlatch: A- B+



All specifications subject to change without notice.

Force values for reference only.

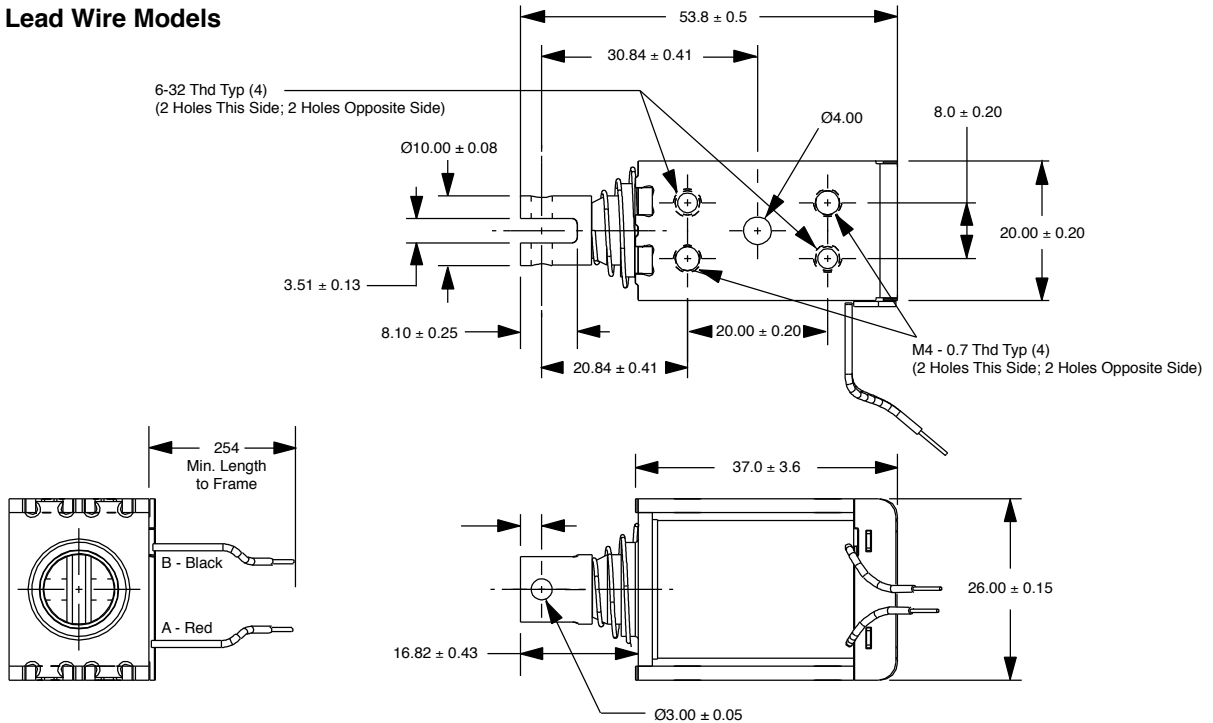
# Ledex® Magnetic Latching Box Frame Size B14HD-L

## Dimensions

mm

All solenoids are illustrated in energized state

### Lead Wire Models



### Terminal Connection Models

