Ledex® Magnetic Latching Box Frame Size B14HD-L

LINEAR Open Frame

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

- 4 - 254 mm leads
- 6 - Terminals

Coil Selection (from performance chart below)

Pole Configuration
1 - Flat Face
2 - Conical

All products are RoHS Compliant

VDC
Battery Powered

Long Life

Magnetic Latching

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	93.5 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)	5.5	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:

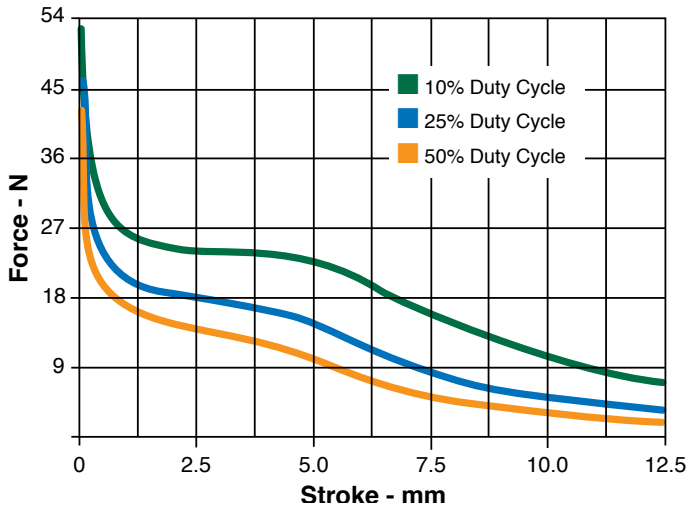
1. All data is typical.
2. Force testing is done with the solenoid in the horizontal position.
3. All data reflects operation with no heat sink.

How to Order

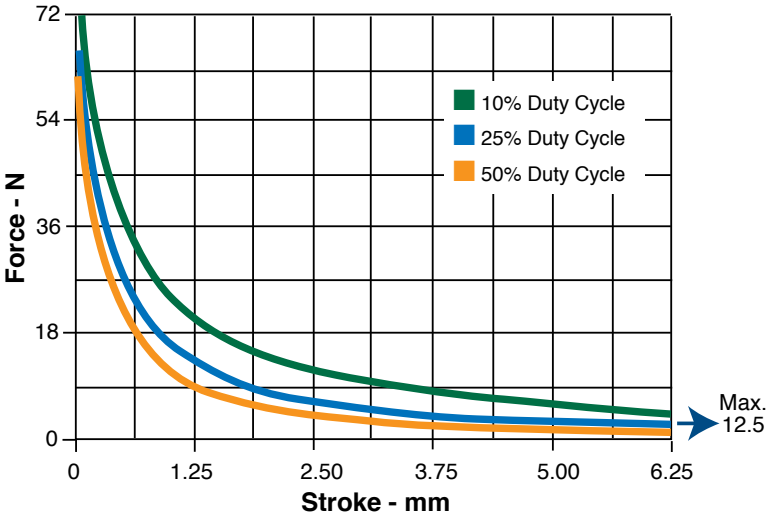
Select the part number from the table provided. (For example, to order a 25% duty cycle unit with a conical pole configuration rated at 6.1 VDC with 254 mm lead wires, specify B14HD-L-258-B-4.

Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

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



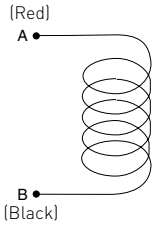
Typical Force @ 20°C – Flat Face (net with spring)



Coil Polarity

Latch: A+ B-

Unlatch: A- B+



All specifications subject to change without notice.

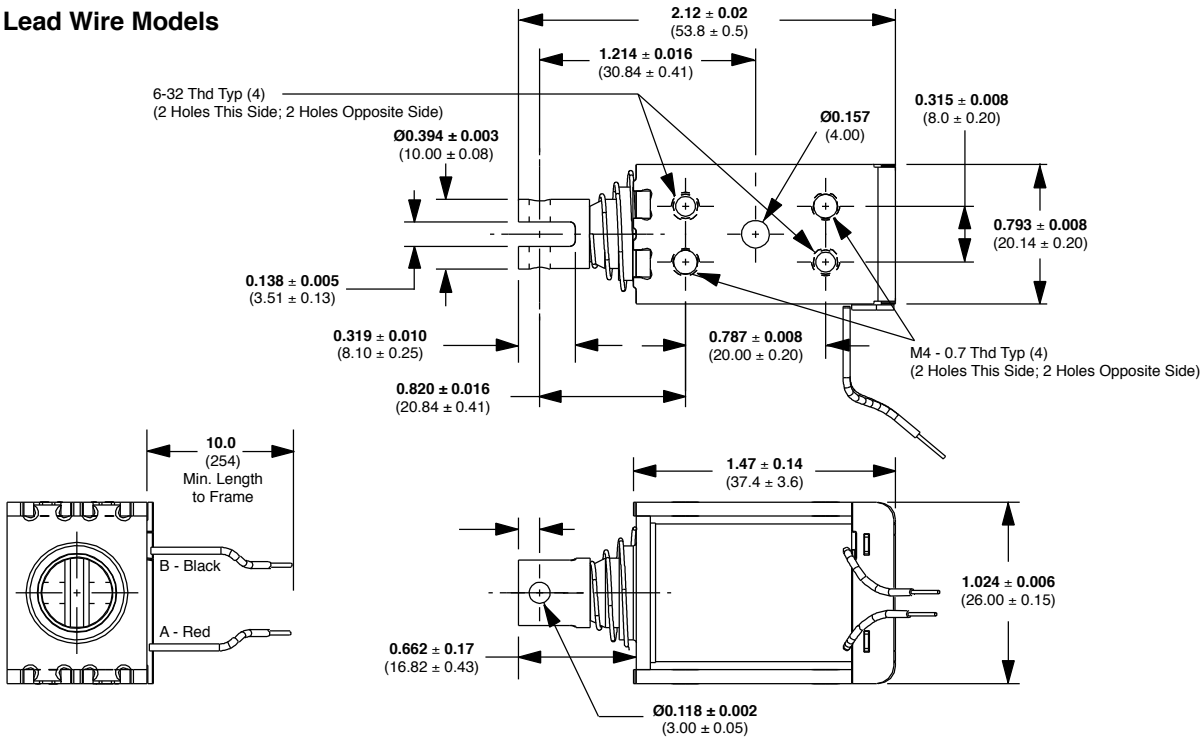
Force values for reference only.

Dimensions

mm

All solenoids are illustrated in energised state

Lead Wire Models



Terminal Connection Models