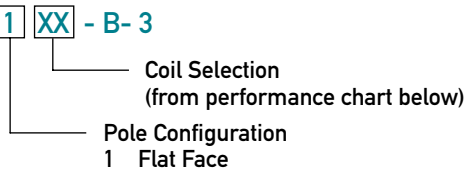



Ledex® Magnetic Latching Box Frame Size B12P-L

Part Number: B12P - L - 1 XX - B- 3



All catalogue products manufactured after April 1, 2006 are RoHS Compliant

Well-suited for battery operation.



See the "Battery Operated Solenoids" section for complete information.

Specifications

Operation	Push
Dielectric Strength	500 VRMS for one second
Unlatch Voltage	See schematic and coil data below
Magnet Hold Force*	2.6 N (@20°C) (with return spring)
Coil Insulation	Class "A": 105°C max. (standard); other temperature classes available
Coil Termination	254 mm PVC lead wires
Spring Force	62.1 N/mm; 0.588 N latched position
Plunger Pole Face	Flat face (other options available)
Plunger Weight	1.42 g
Total Weight	8.51 g
Dimensions	See page H25

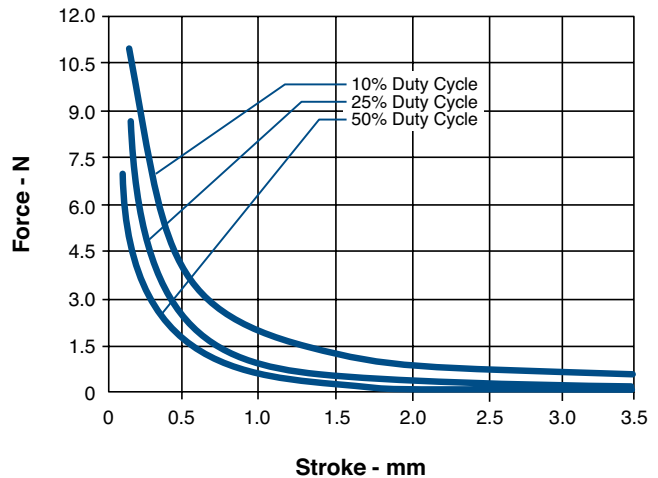
*In no power, latched position

Maximum Duty Cycle	Unlatched			
	Voltage	50%	25%	10%
Maximum ON Time (sec)	N/A	120	34	8
Watts (@ 20°C)	1.3	2.6	5.2	13
Ampere Turns (@ 20°C)	178	251	355	561

Coil Data

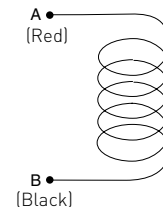
Part Number	Resistance (@20°C)	Ref # Turns	Unlatch VDC	VDC (Nom)	VDC (Nom)	VDC (Nom)
B12P-L-158-B-3	6.92	417	3	4.2	6	9.5
B12P-L-155-B-3	27.70	824	6	8.5	12	19
B12P-L-156-B-3	62.30	1184	9	13	18	28.5
B12P-L-154-B-3	110.80	1632	12	17	24	38
B12P-L-153-B-3	443.10	3336	24	34	48	76

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



Coil Polarity

Latch: A+ B-
Unlatch: A- B+



How to Order

Select the part number from the table provided. (For example, to order a 25% duty cycle unit rated at 12 VDC, specify B12-L-155-B-3.)

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

LINEAR Open Frame

NOTES:

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

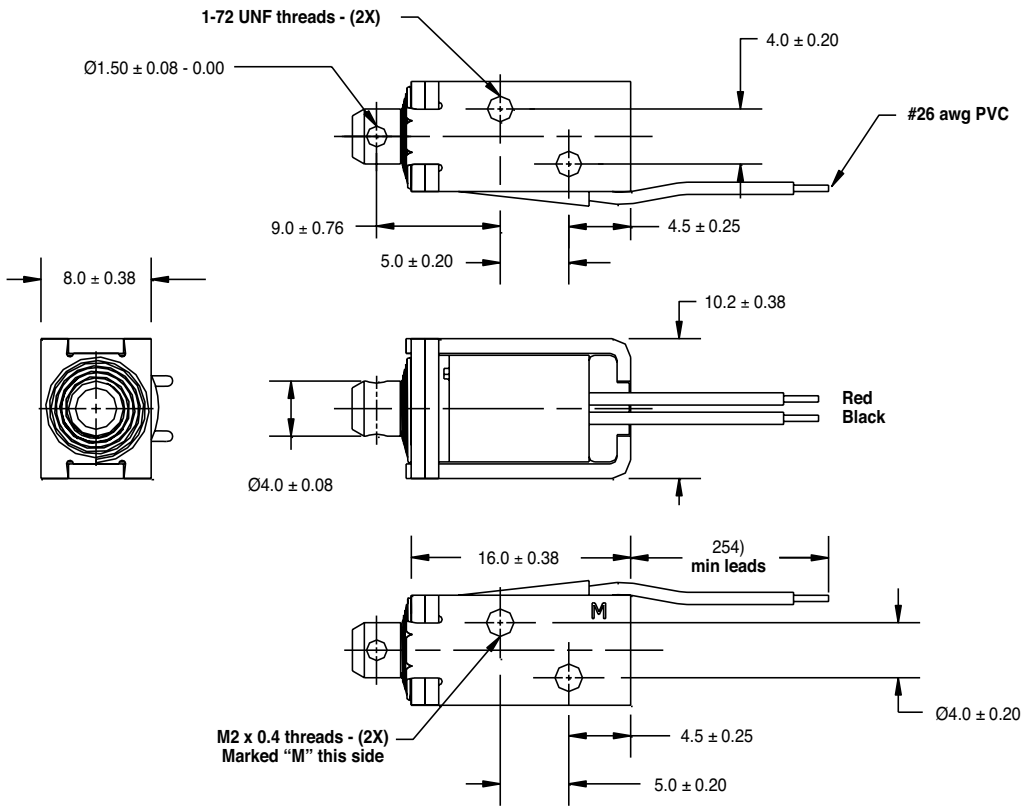
Ledex® BxFrame Dimensions

mm

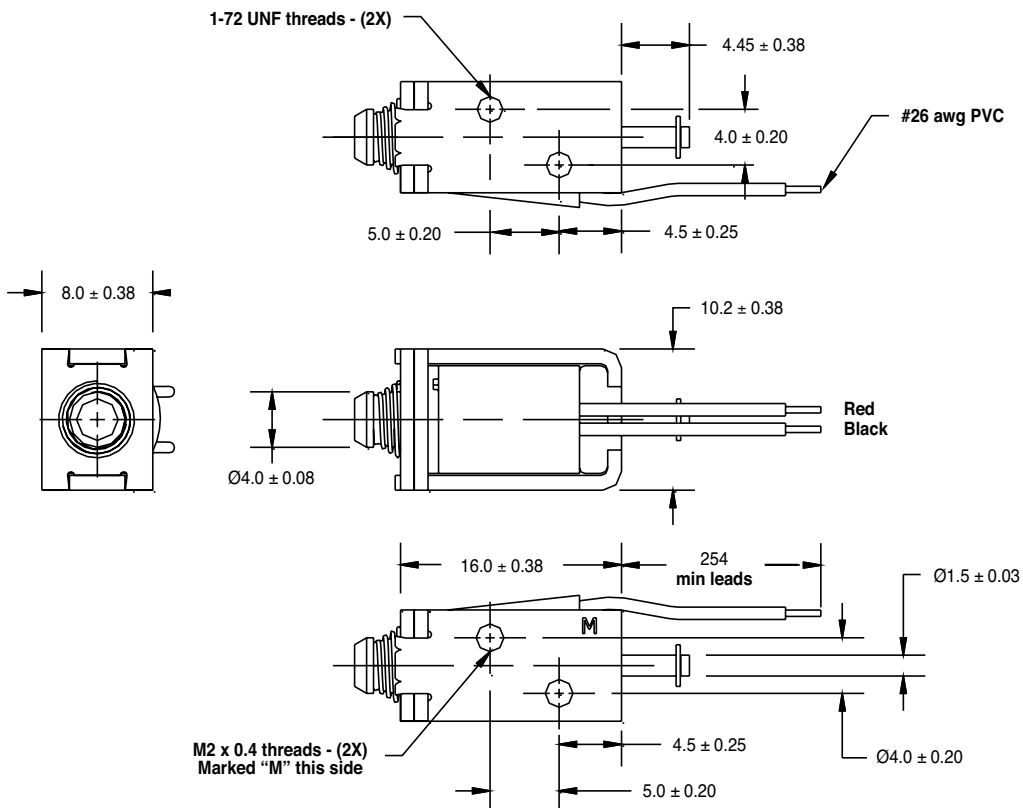
All solenoids are illustrated in energized state

All catalogue products manufactured after April 1, 2006 are RoHS Compliant

B2L



B2P



Force values for reference only.

All specifications subject to change without notice.