

Ledex® Magnetic Latching Box Frame Size B12-L

Part Number: B12 - L - 1 XX - B-3

All products are RoHS Compliant

LINEAR Open Frame

Coil Selection
(from performance chart below)

Pole Configuration
1 Flat Face

Specifications

Operation	Pull
Dielectric Strength	500 VRMS for one second
Unlatch Voltage	See schematic and coil data below
Magnet Hold Force*	11.6 oz (3.2 N) @ 20°C
Coil Insulation	Class "A": 105°C max
Coil Termination	10" (254 mm) PVC lead wires
Spring Force	8.80 oz/in; 2.1 oz latched position
Plunger Pole Face	Flat face (other options available)
Plunger Weight	0.04 oz (1.13 g)
Total Weight	0.29 oz (8.22 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)	1.3	2.6	5.2
Ampere Turns (@ 20°C)	178	251	355

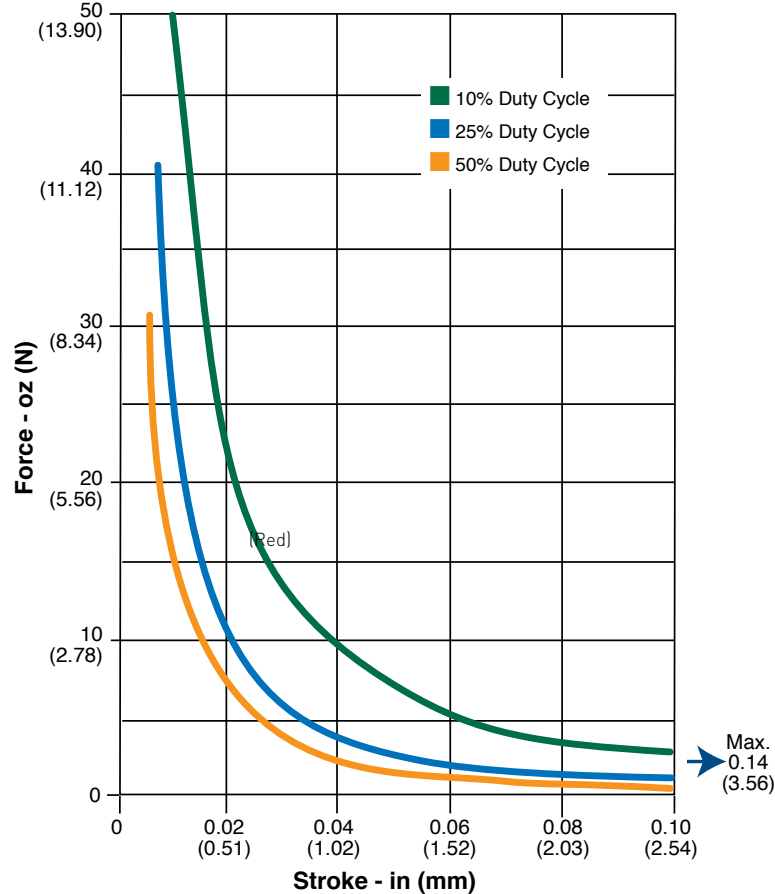
Coil Data

Part Number	Resistance (@20°C)	Ref # Turns	Unlatch VDC	VDC (Nom)	VDC (Nom)	VDC (Nom)
B12-L-158-B-3	6.92	417	3	4.2	6	9.5
B12-L-155-B-3	27.70	824	6	8.5	12	19
B12-L-156-B-3	62.30	1184	9	13	18	28.5
B12-L-154-B-3	110.80	1632	12	17	24	38
B12-L-153-B-3	443.10	3336	24	34	48	76

NOTES:

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

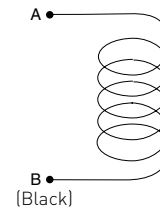
Typical Force @ 20°C – Flat Face Plunger (net with spring)



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.

All specifications subject to change without notice.

Force values for reference only.

Dimensions

Inches (mm)

All solenoids are illustrated in energized state

