Ledex® Box Frame Size B12

LINEAR Open Frame

Part Number: B12 - XXX - B- 3

Select from performance chart below

All products are RoHS Compliant

Specifications

Operation	Pull
Dielectric Strength	500 VRMS for one second
Continuous Duty Cycle	100% at 20°C ambient temperature
Intermittent Duty Cycle	See below
Holding Force	7.7 oz. (2.1 N) at 20°C
Coil Insulation	Class "A": 105°C max.
Coil Termination	10" (254 mm) PVC lead wires
Plunger Weight	0.05 oz. (1.4 g)
Total Weight	0.30 oz. (8.5 g)

VDC
Battery Powered

High Speed

Miniature Size

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously	∞	84	11	2
Maximum ON Time (sec) for single pulse	∞	120	34	8
Watts (@ 20°C)	1.3	2.6	5.2	13
Ampere Turns (@ 20°C)	178	251	355	561

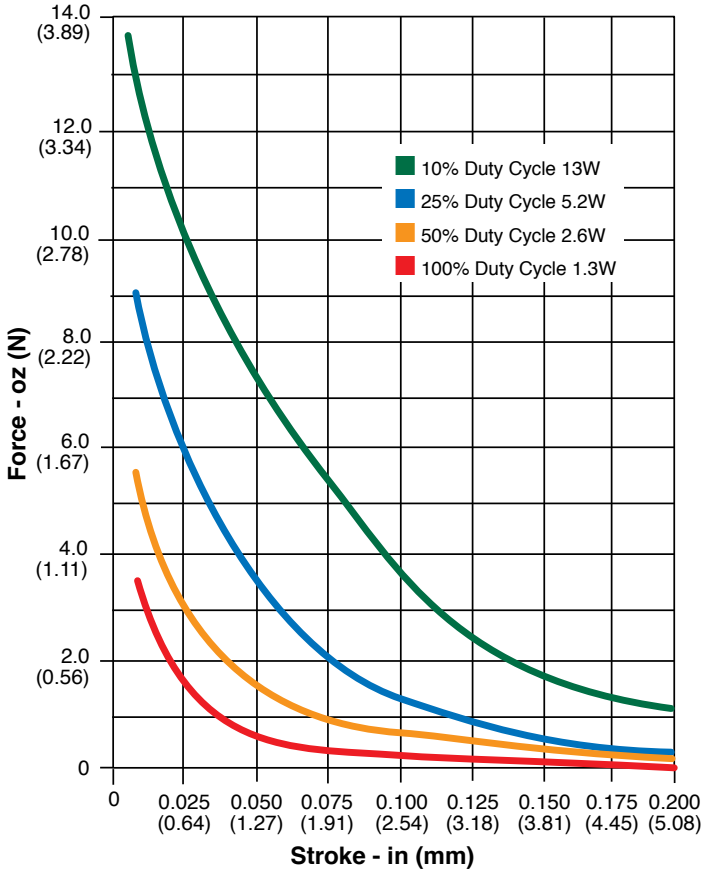
Coil Data

Part Number	Resistance (@20°C)	Ref # Turns	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
B12-258-B-3	6.92	417	3	4.24	6	9.5
B12-255-B-3	27.7	824	6	8.5	12	19
B12-256-B-3	62.3	1184	9	13	18	28.5
B12-254-B-3	110.8	1632	12	17	24	38
B12-253-B-3	443.1	3336	24	34	48	76

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.
4. Pull versions standard; push versions available.
5. Magnetic latching version 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 B12-253-B-3.

Please see www.ledex.com for our list of stock products available through our North American distributors.

All specifications subject to change without notice.

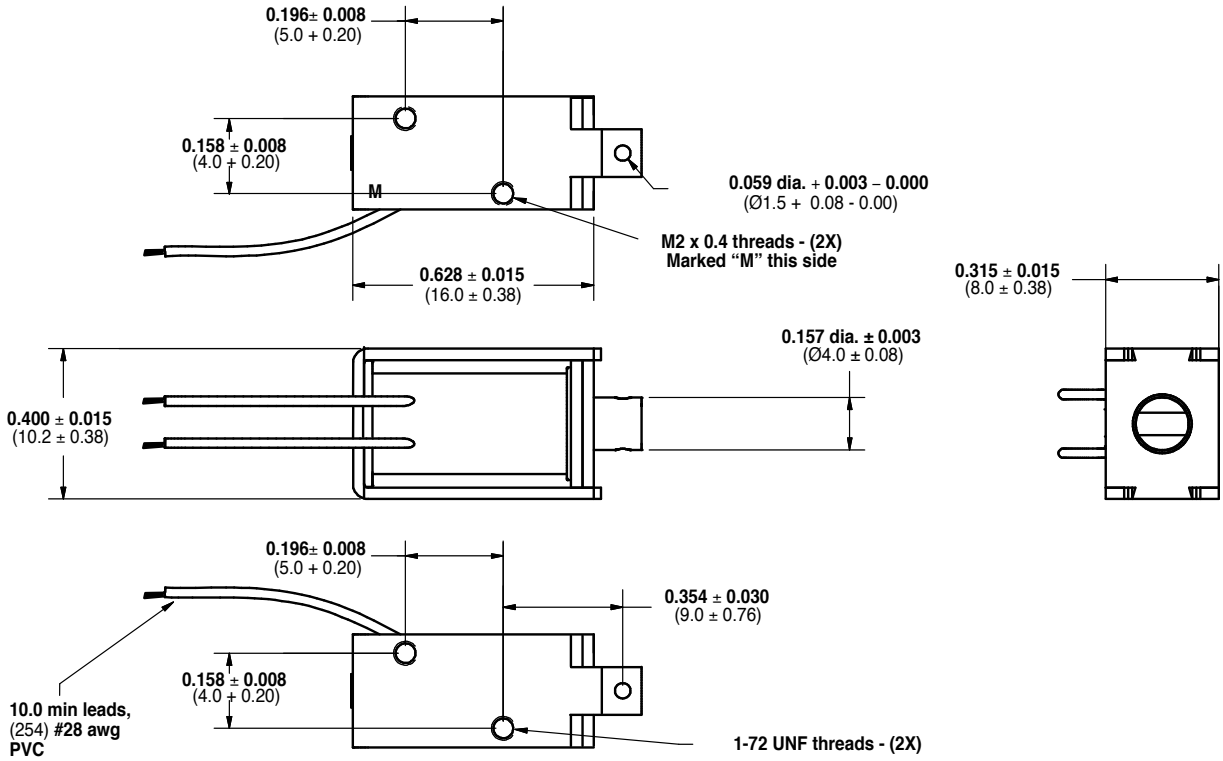
Force values for reference only.

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Dimensions

Inches (mm)

All solenoids are illustrated in energized state



Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Johnson Electric:

F4T7Y1-UL 2536-F-34 B14HDP-254-B-4 050R40-152B 195204-228 DCT-10-120 XP52Z11 195202-231 195203-237 ECO190CB126072220 PSR1636-20 V9NLR 100R16-51B - 174432-024 195191-034 DCT-40-240 B22-255-M-36 DCT-55-240 050R40-102B- 129415-026 129450-029 154660-227 195190-032 195202-234 174432-027 C8-273-M-36 ECO225CB126072210 XGM2-88Z1 195191-031 XCG3-J2Z1