

Ledex® Magnetic Latching Box Frame Size B22M-L

LINEAR Open Frame

Part Number: B22M - L - X XX - M- 36

All products are RoHS Compliant

Coil Selection
(from performance chart below)

Pole Configuration

1 Flat Face

2 60° Conical

Specifications

Operation	Pull
Dielectric Strength	1500 VRMS for one second
Unlatch Voltage	See schematic and coil data below
Magnet Hold Force*	Flat Face:: 22 N 60° Conical: 4.5 N
Coil Insulation	Class " B": 130°C max.
Coil Termination	(1) 3/16" QC; (1) 1/4" QC
Spring Force	0.31 N/mm; 4.8 N latched position
Plunger Pole Face	Flat face or 60° conical
Plunger Weight	35.2 g
Total Weight	212.8 g
* In no power, latched position, with return spring	



Performance

	Unlatch Voltage	50%	25%	10%
Maximum Duty Cycle				
Recommended Max ON Time (sec)	1	1	1	1
Watts (@ 20°C)	9.9	19.8	39.6	99
Ampere Turns (@ 20°C)	1046	1482	2093	3314

Coil Data

Part Number	Resistance (@20°C)	Ref # Turns	Unlatch VDC	VDC (Nom)	VDC (Nom)	VDC (Nom)
B22M-L-X55-M-36	3.64	635	6	8.5	12	19
B22M-L-X54-M-36	14.55	1300	12	17	24	38
B22M-L-X53-M-36	58.18	2578	24	34	48	76
B22M-L-X52-M-36	232.73	5103	48	68	96	152
B22M-L-X51-M-36	1493.00	12744	120	172	240	385

NOTES:

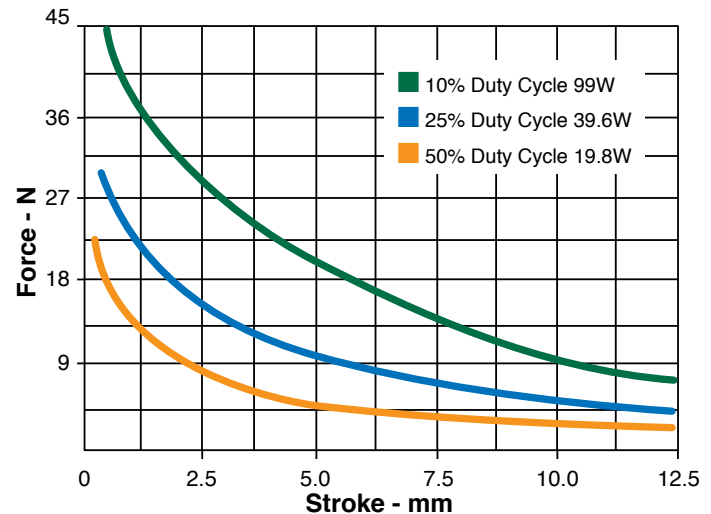
1. All data is typical.
2. Force testing is done with the solenoid in the horizontal position.
3. All data reflects operation with no heatsink.

How to Order

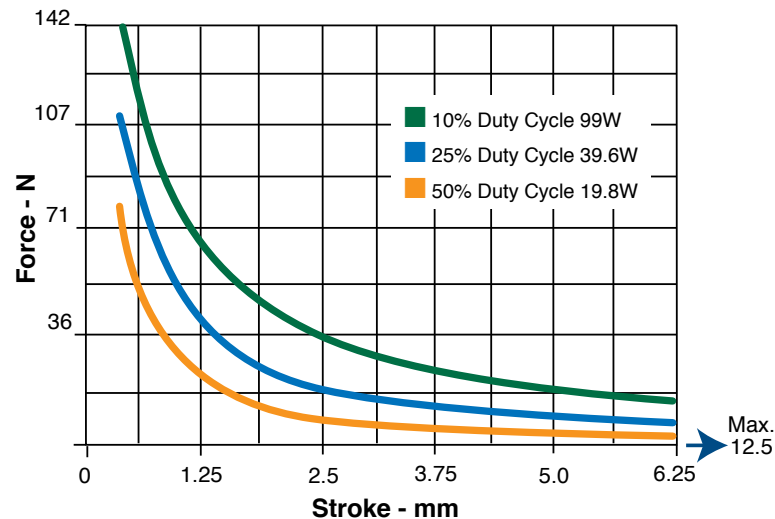
Select the part number from the table provided. (For example, to order a 25% duty cycle flat face unit rated at 48 VDC, specify B22M-L-153-M-36.

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

Typical Force @ 20°C – 60° Armature (Net, with Spring)



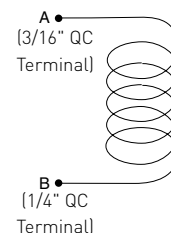
Typical Force @ 20°C – Flat Face Armature (Net, with Spring)



Coil Polarity

Latch: A+ B-

Unlatch: A- B+



All specifications subject to change without notice.

Force values for reference only.

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Dimensions

mm

All solenoids are illustrated in energised state

