

Ledex® Magnetic Latching C Frame Size C8M-L

Part Number: C8M-L - **X** **XX** - M-36

Select coil from performance chart below

Plunger pole face:

- 1 Flat Face
- 2 40° Reverse Conical

All products are RoHS Compliant

Specifications

Operation	Pull
Dielectric Strength	500 VRMS for one second
Unlatch Voltage	See schematic and coil data below
Magnet Holding Force*	Flat Face: 7.12 N 40° Reverse Conical: 5.56 N
Spring Force	0.093 N/mm; 1.16 N latched operation
Coil Insulation	Class "B": 130°C max.
Coil Termination	(1) - 1/4" QC; (1) - 3/16" QC
Plunger Pole Face	Flat face or 40° reverse conical
Plunger Weight	11.3 g
Total Weight	45.4 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)	3.6	7	14	35
Ampere Turns (@ 20°C)	464	657	929	1470

Coil Data

Part Number	Resistance (@20°C)	Ref # Turns	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
C8M-L-X76-M-36	2.56	404	3	4.2	5.9	9.3
C8M-L-X73-M-36	9.30	752	6	8.5	12	19
C8M-L-X74-M-36	23.2	1252	9	12.7	18	28.5
C8M-L-X72-M-36	37.12	1484	12	17	24	38
C8M-L-X71-M-36	150.73	2736	24	34	48	76
C8M-L-X70-M-36	621.54	5544	48	68	96	152
C8M-L-X69-M-36	3824	15035	120	164	231	366

NOTES:

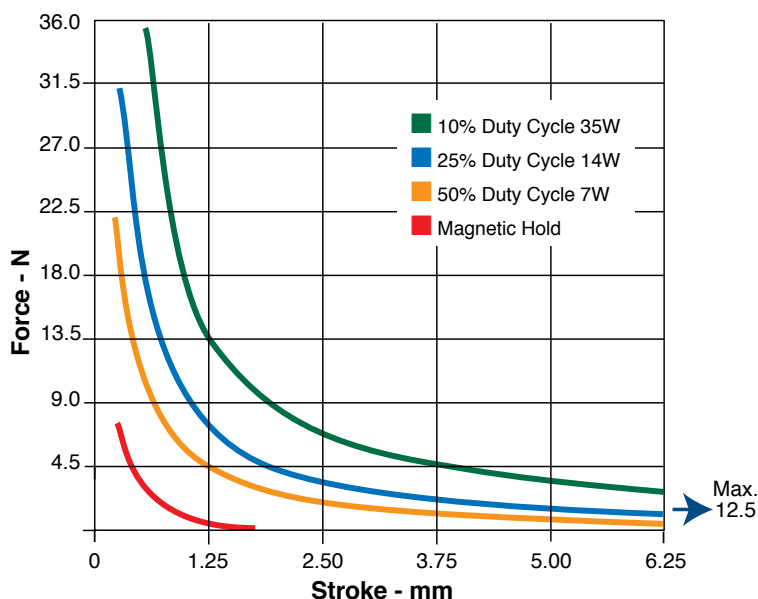
1. All data is typical.
2. Force testing is done with the solenoid in the horizontal position.
3. All data reflects operation with no heatsink.

How to Order

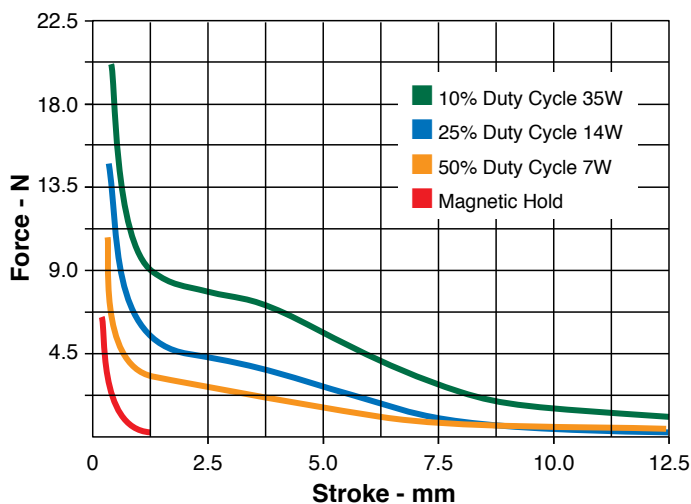
Select the part number from the table provided. (For example, to order a 25% duty cycle unit with a 40° reverse conical plunger pole face rated at 48 VDC, specify C8M-L-271-M-36.

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

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

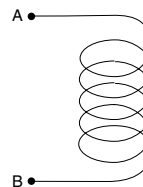


Typical Force with 40° Reverse Conical (net with spring @ 20°C)



Coil Polarity

Latch: A+ B-
Unlatch: A- B+
(A) 1/4" QC terminal
(B) 3/16" QC terminal



All specifications subject to change without notice.

Force values for reference only.



Battery Powered



High Speed



Magnetic Latching

Ledex® Magnetic Latching C Frame Size C8M-L

Dimensions

mm

All solenoids are illustrated in energised state

