

Ledex® Low Profile Size 2EF/2EC — Push or Pull

Size 2EF Short Stroke, Flat Face

Part Number: 124911-0XX

Size 2EC • Medium Stroke, Conical Face

Part Number: 123422-0XX

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

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	100	36	7
Maximum ON Time (sec) for single pulse ²	∞	162	44	8
Watts (@ 20°C)	7	14	28	70
Ampere Turns (@ 20°C)	425	602	849	1350

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
24	0.68	130	2.2	3.2	4.5	7.1
25	1.16	174	2.8	4.0	5.7	9.0
26	1.96	231	3.6	5.1	7.2	11.5
27	3.16	296	4.5	6.4	9.0	14.4
28	5.10	378	5.7	8.1	11.5	18.2
29	6.94	423	7.0	9.9	13.9	22.0
30	11.03	530	8.8	12.5	17.7	28.0
31	16.85	649	11.0	15.6	22.0	35.0
32	28.15	858	13.9	19.8	28.0	44.0
33	42.75	1036	17.5	25.0	35.0	56.0

¹ Continuously pulsed at stated watts and duty cycle

² Single pulse at stated watts (with coil at ambient room temperature 20°C)

³ Other coil awg sizes available — please consult factory

⁴ Reference number of turns

• Well-suited for battery operation.

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



Specifications

Dielectric Strength
Recommended
Minimum Heat Sink

1000 VRMS

Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 3³/₈" square by 1/8" thick

Coil Resistance

24-33 awg, ±5%

Weight

2.25 oz (63.8 gms)

Holding Force 2EF

12.0 lb (53.4 N) @ 105°C

Holding Force 2EC

5.7 lb (25.4 N) @ 105°C

Dimensions

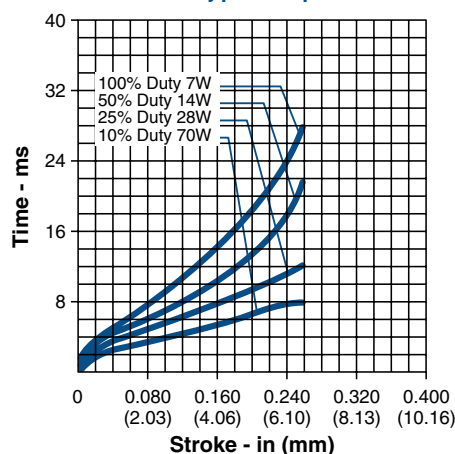
Ø1.125" x 0.580" L (See page G16)

How to Order

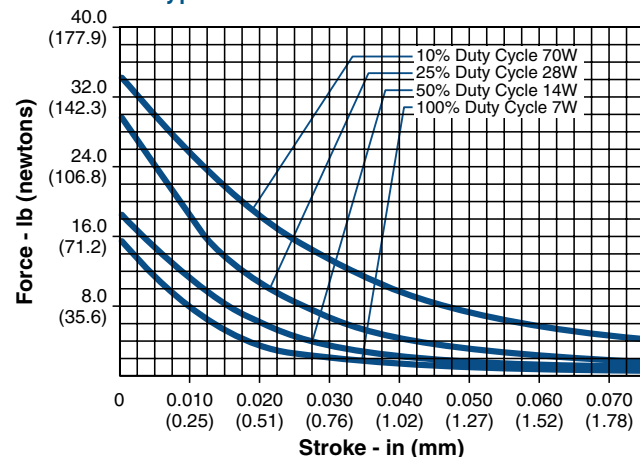
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 9.0 VDC, specify 124911-027).

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

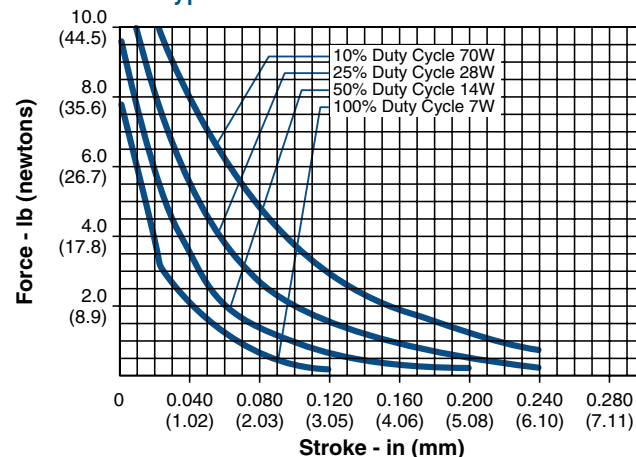
Size 2EF and 2EC — Typical Speed @ No Load, 20°C



Size 2EF— Typical Force @ 20°C



Size 2EC — Typical Force @ 20°C



Force values for reference only.

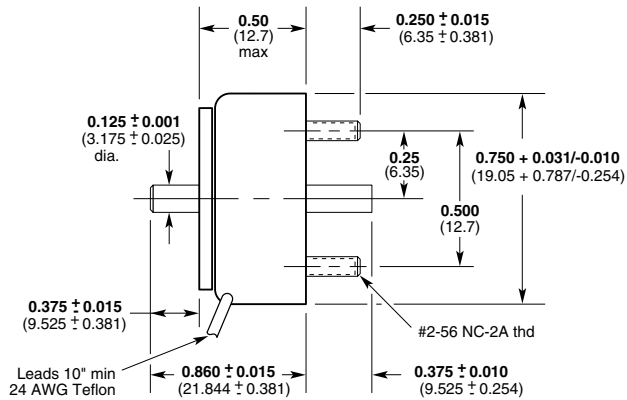
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

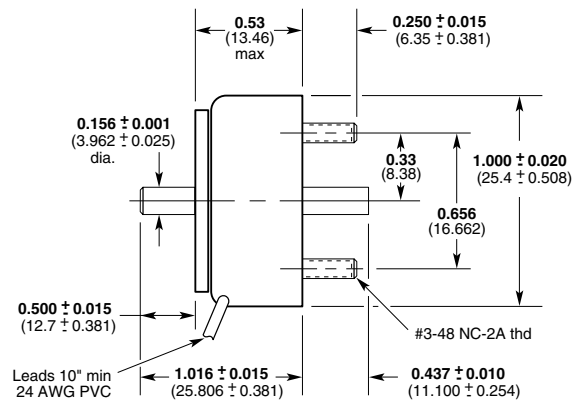
Inches (mm)

All solenoids are illustrated in energized state

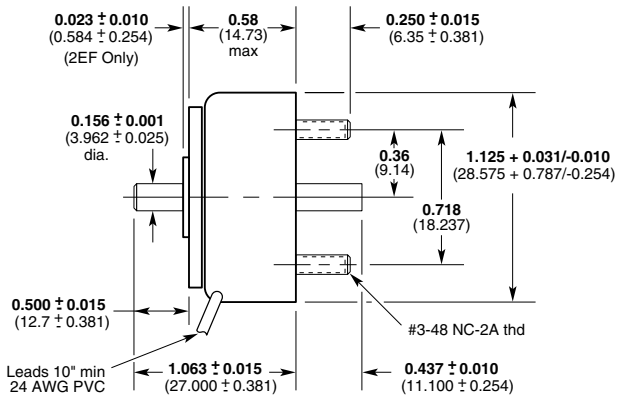
Size OEC



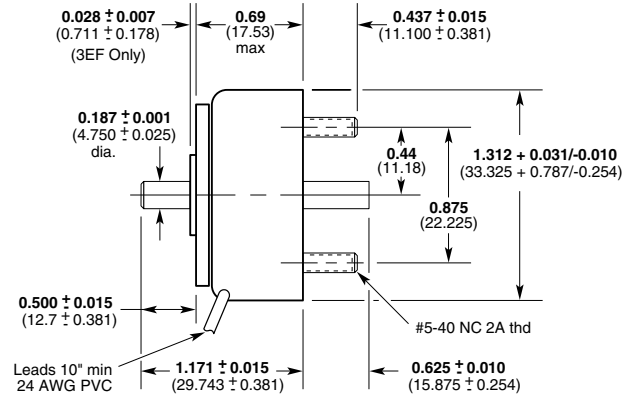
Size 1EC



Size 2EF/2EC



Size 3EF/3EC



LINEAR Low Profile

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