

Ledex® Low Profile Size OEC — Push or Pull

Medium Stroke, Conical Face
Part Number: 174534-0XX

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) | 4.5 | 9 | 18 | 45 |
| Ampere Turns (@ 20°C) | 285 | 403 | 570 | 901 |

Coil Data

| awg (0XX) ³ | Resistance (@20°C) | # Turns ⁴ | VDC (Nom) | VDC (Nom) | VDC (Nom) | VDC (Nom) |
|------------------------|--------------------|----------------------|-----------|-----------|-----------|-----------|
| 26 | 0.50 | 90 | 1.6 | 2.3 | 3.2 | 5.1 |
| 27 | 0.97 | 136 | 2.0 | 2.8 | 3.9 | 6.3 |
| 28 | 1.33 | 152 | 2.6 | 3.7 | 5.1 | 8.1 |
| 29 | 2.40 | 215 | 3.2 | 4.4 | 6.2 | 9.9 |
| 30 | 3.29 | 240 | 4.1 | 5.7 | 8.0 | 12.7 |
| 31 | 5.61 | 324 | 5.0 | 7.1 | 9.9 | 15.8 |
| 32 | 9.09 | 420 | 6.3 | 8.9 | 12.4 | 19.7 |
| 33 | 14.95 | 544 | 8.0 | 11.3 | 15.7 | 25.0 |
| 34 | 24.06 | 684 | 10.2 | 14.4 | 20.0 | 32.0 |
| 35 | 37.10 | 840 | 12.8 | 18.1 | 25.0 | 40.0 |
| 36 | 58.51 | 1056 | 16.1 | 23.0 | 32.0 | 50.0 |
| 37 | 78.70 | 1109 | 19.8 | 28.0 | 39.0 | 62.0 |
| 38 | 123.00 | 1370 | 25.0 | 35.0 | 49.0 | 78.0 |

- 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

Specifications

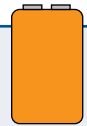
| | |
|-------------------------------|---|
| Dielectric Strength | 1000 VRMS |
| Recommended Minimum Heat Sink | Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 2" square by 1/8" thick |
| Coil Resistance Weight | ±10% tolerance on all coil awg sizes 0.875 oz (24.8 gms) |
| Holding Force | 1.7 lb (7.6 N) @ 105°C |
| Dimensions | Ø0.750" x 0.500" 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 3.2 VDC, specify 174534-026).

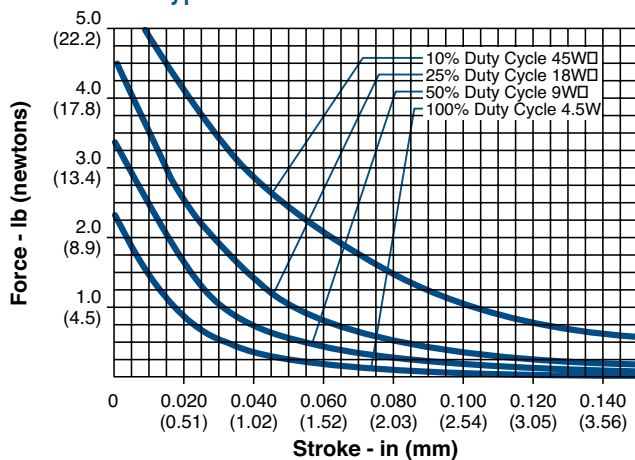
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

- Well-suited for battery operation. See the "Battery Operated Solenoids" section for complete information.



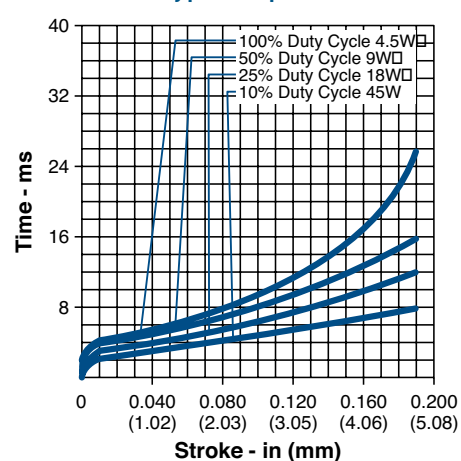
LINEAR Low Profile

Size OEC — Typical Force @ 20°C



Force values for reference only.

Size OEC — Typical Speed @ No Load, 20°C



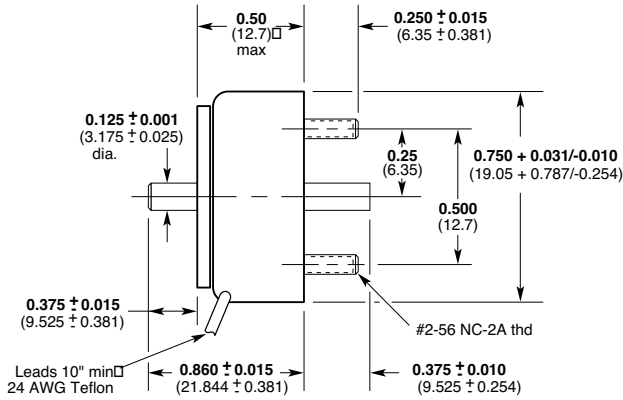
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

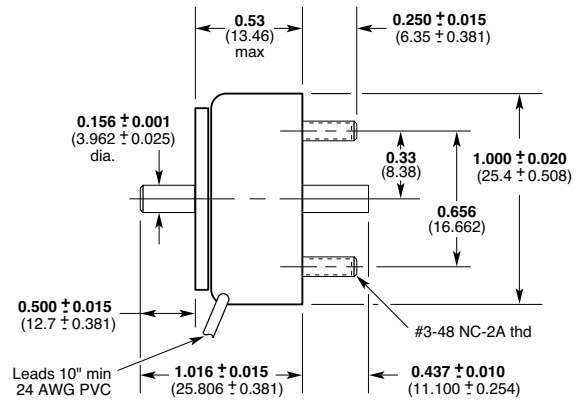
Inches (mm)

All solenoids are illustrated in energized state

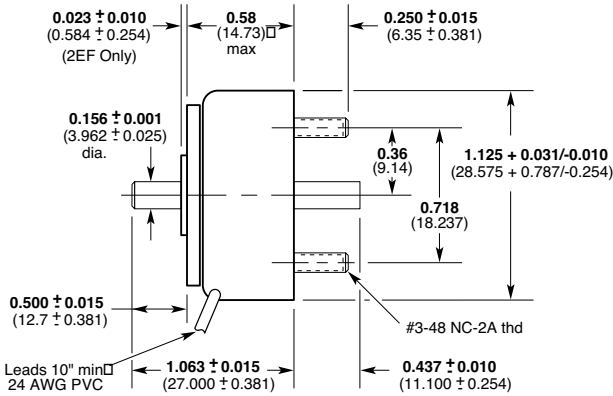
Size OEC



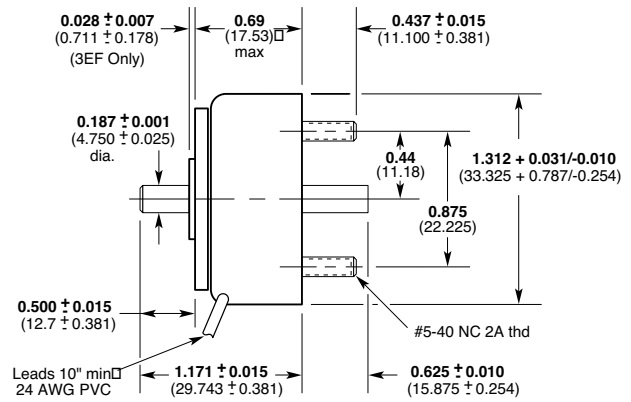
Size 1EC



Size 2EF/2EC



Size 3EF/3EC



LINEAR Low Profile

All specifications subject to change without notice.