

Ledex® Low Profile Size 6EC — Push or Pull

Medium Stroke, Conical Face

Part Number: 173921-0XX

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 | ∞ | 87 | 36 | 13 |
| Maximum ON Time (sec) for single pulse ² | ∞ | 140 | 44 | 16 |
| Watts (@ 20°C) | 32 | 64 | 128 | 320 |
| Ampere Turns (@ 20°C) | 1480 | 2080 | 2940 | 4620 |

Coil Data

| awg (0XX) ³ | Resistance (@20°C) | # Turns ⁴ | VDC (Nom) | VDC (Nom) | VDC (Nom) | VDC (Nom) |
|------------------------|--------------------|----------------------|-----------|-----------|-----------|-----------|
| 23 | 4.69 | 567 | 12.3 | 17.2 | 24.0 | 38.0 |
| 24 | 7.43 | 710 | 15.5 | 22.0 | 31.0 | 48.0 |
| 25 | 12.90 | 960 | 19.9 | 28.0 | 39.0 | 62.0 |
| 26 | 19.70 | 1170 | 25.0 | 35.0 | 49.0 | 78.0 |
| 27 | 32.00 | 1500 | 32.0 | 44.0 | 63.0 | 99.0 |
| 28 | 51.60 | 1904 | 40.0 | 56.0 | 79.0 | 125.0 |
| 29 | 74.40 | 2232 | 49.0 | 69.0 | 98.0 | 154.0 |
| 30 | 126.00 | 2940 | 63.0 | 89.0 | 126.0 | 198.0 |
| 31 | 195.00 | 3611 | 80.0 | 112.0 | 159.0 | 250.0 |
| 32 | 288.00 | 4350 | 98.0 | 138.0 | 195.0 | 306.0 |
| 33 | 427.00 | 5010 | 126.0 | 177.0 | 251.0 | 394.0 |

- Continuously pulsed at stated watts and duty cycle
- Single pulse at stated watts (with coil at ambient room temperature 20°C)
- Other coil awg sizes available — please consult factory
- Reference number of turns

Specifications

| | |
|-------------------------------|---|
| Dielectric Strength | 23-31 awg, 1200 VRMS ; 32-33 awg, 1500 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 12 ³ / ₈ " square by 1/8" thick |
| Coil Resistance | 23-33 awg, ±5% |
| Weight | 1 lb 5.50 oz (609.5 gms) |
| Holding Force | 49.0 lb (218.0 N) @ 105°C |
| Dimensions | Ø2.250" x 1.330" L (See page G18) |

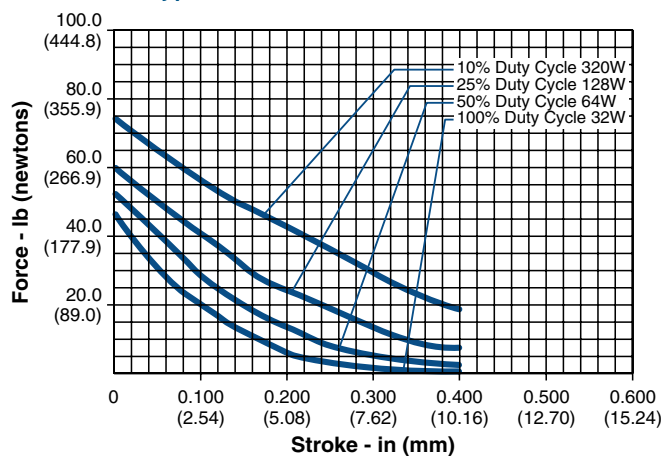
How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 65 VDC, specify 173921-027).

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

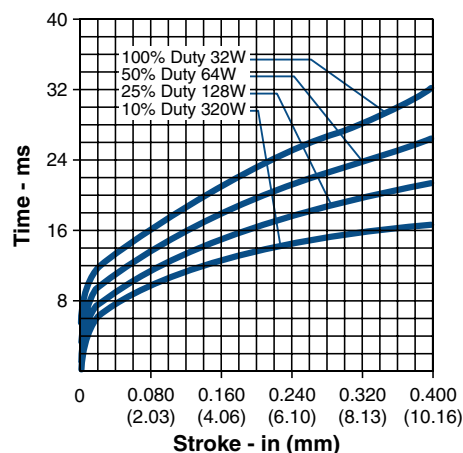
LINEAR Low Profile

Size 6EC— Typical Force at 20°C



Force values for reference only.

Size 6EC— Typical Speed @ No Load, 20°C



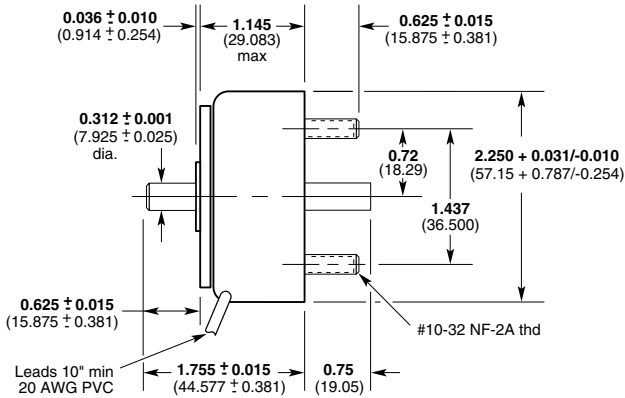
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

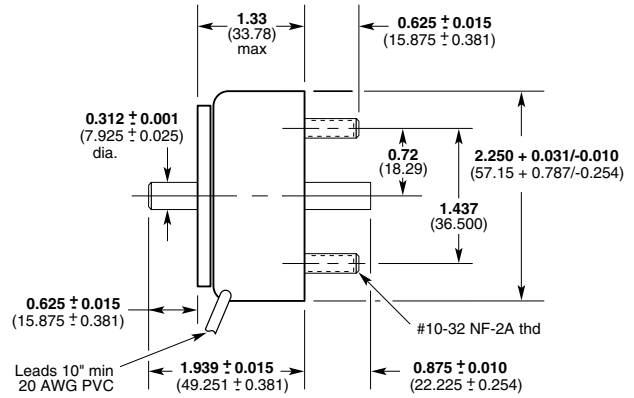
Inches (mm)

All solenoids are illustrated in energized state

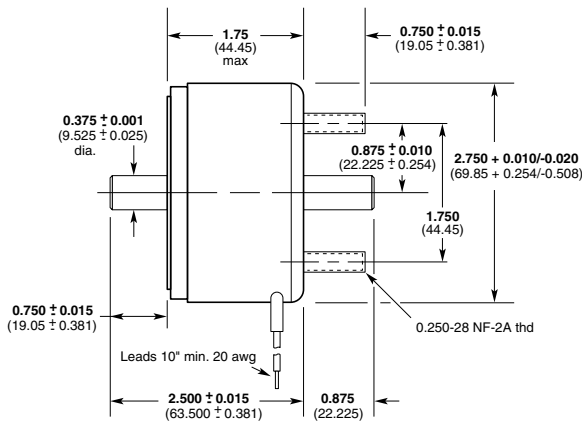
Size 6SF



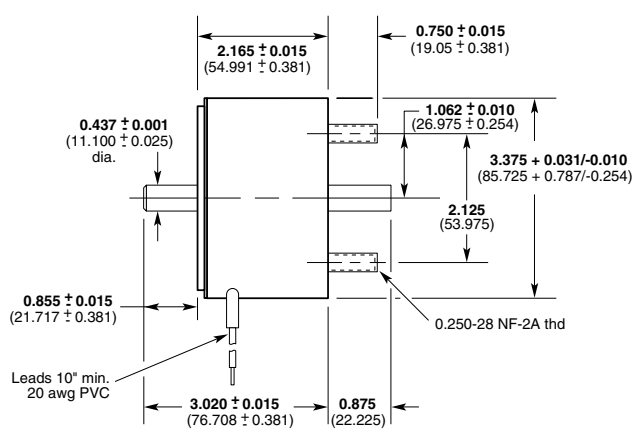
Size 6EC



Size 7EC



Size 8EC



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