

Ledex® Low Profile Size 5SF — Push or Pull

Short Stroke, Flat Face
Part Number: 129450-0XX

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 | 10 |
| Maximum ON Time (sec) for single pulse ² | ∞ | 160 | 44 | 13 |
| Watts (@ 20°C) | 21 | 42 | 84 | 210 |
| Ampere Turns (@ 20°C) | 860 | 1220 | 1720 | 2730 |

Coil Data

| awg (0XX) ³ | Resistance (@20°C) | # Turns ⁴ | VDC (Nom) | VDC (Nom) | VDC (Nom) | VDC (Nom) |
|---------------------------|-----------------------|-------------------------|--------------|--------------|--------------|--------------|
| 23 | 2.03 | 288 | 6.1 | 8.6 | 12.1 | 19.2 |
| 24 | 3.20 | 360 | 7.6 | 10.8 | 15.3 | 24.0 |
| 25 | 4.91 | 440 | 9.6 | 13.6 | 19.2 | 31.0 |
| 26 | 7.72 | 550 | 12.1 | 17.1 | 24.0 | 38.0 |
| 27 | 11.12 | 636 | 15.0 | 21.0 | 30.0 | 48.0 |
| 28 | 18.79 | 840 | 19.2 | 27.0 | 39.0 | 61.0 |
| 29 | 30.48 | 1088 | 24.0 | 34.0 | 48.0 | 77.0 |
| 30 | 44.86 | 1275 | 30.0 | 43.0 | 61.0 | 96.0 |
| 31 | 70.90 | 1596 | 38.0 | 54.0 | 76.0 | 121.0 |
| 32 | 109.00 | 1974 | 47.0 | 67.0 | 95.0 | 150.0 |
| 33 | 175.00 | 2496 | 60.0 | 86.0 | 121.0 | 192.0 |

- 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 | 23 awg, 1000 VRMS ; 24-33 awg, 1200 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 7½" square by ⅛" thick |
| Coil Resistance | 23-33 awg, ±5% |
| Weight | 9.0 oz (255 gms) |
| Holding Force | 58.0 lb (258.0 N) @ 105°C |
| Dimensions | Ø1.875" x 0.880" L (See page G17) |

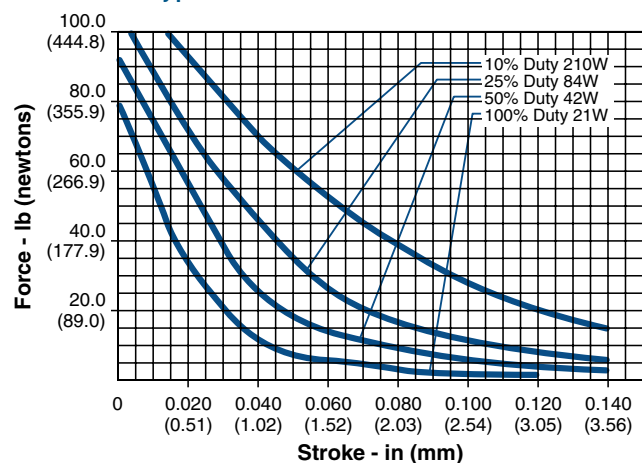
How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 30 VDC, specify 129450-027).

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

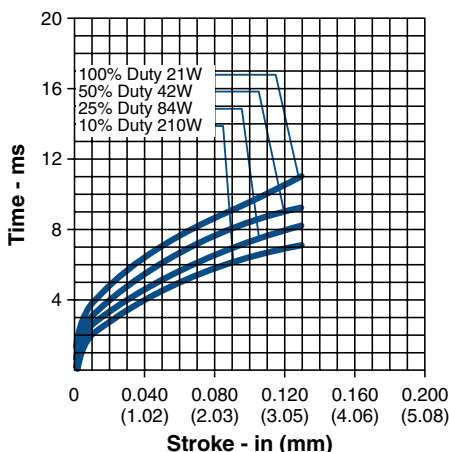
LINEAR Low Profile

Size 5SF— Typical Force @ 20°C



Force values for reference only.

Size 5SF— Typical Speed @ No Load, 20°C



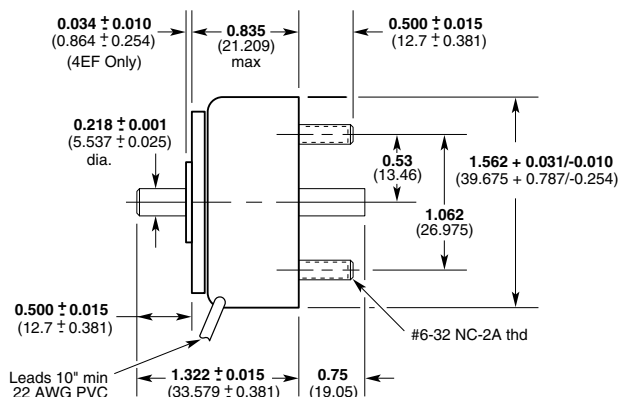
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

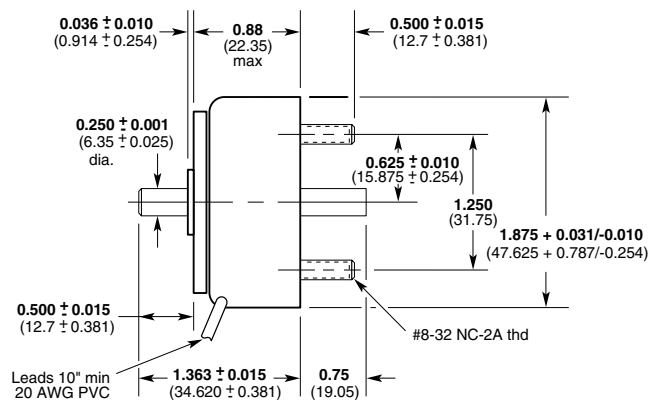
Inches (mm)

All solenoids are illustrated in energized state

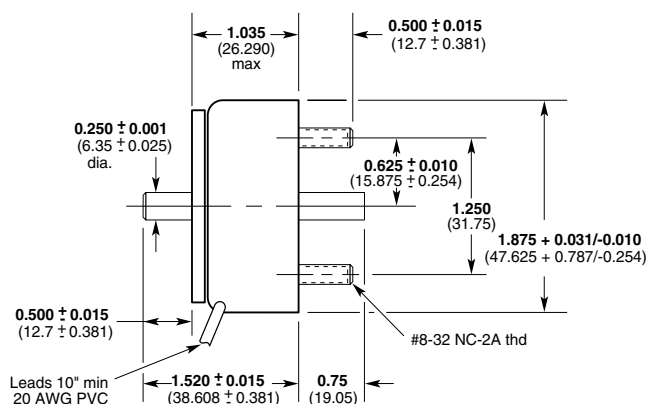
Size 4EF/4EC



Size 5SF



Size 5EC



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