

# Ledex® Low Profile Size 6SF — Push or Pull

Short Stroke, Flat Face  
Part Number: 187789-0XX

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 <sup>1</sup>	∞	87	36	13
Maximum ON Time (sec) for single pulse <sup>2</sup>	∞	140	44	16
Watts (@ 20°C)	32	64	128	320
Ampere Turns (@ 20°C)	1240	1760	2490	3920

Coil Data						
awg (0XX) <sup>3</sup>	Resistance (@20°C)	# Turns <sup>4</sup>	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	3.59	432	10.3	14.6	21.0	33.0
24	5.24	500	13.0	18.4	26.0	41.0
25	9.51	708	16.7	24.0	33.0	53.0
26	14.44	858	21.0	30.0	42.0	66.0
27	23.69	1110	27.0	38.0	53.0	84.0
28	38.27	1411	34.0	48.0	68.0	106.0
29	54.62	1638	41.0	59.0	83.0	131.0
30	93.67	2184	53.0	76.0	107.0	168.0
31	143.00	2645	67.0	95.0	134.0	211.0
32	223.00	3328	83.0	118.0	167.0	262.0
33	338.00	4004	105.0	149.0	210.0	331.0

- <sup>1</sup> Continuously pulsed at stated watts and duty cycle
- <sup>2</sup> Single pulse at stated watts (with coil at ambient room temperature 20°C)
- <sup>3</sup> Other coil awg sizes available — please consult factory
- <sup>4</sup> 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 <sup>3</sup> / <sub>8</sub> " square by 1/8" thick
Coil Resistance	23-33 awg, ±5%
Weight	1 lb 2 oz (510.3 gms)
Holding Force	88.0 lb (391.4 N) @ 105°C
Dimensions	Ø2.250" x 1.145" L (See page G18)

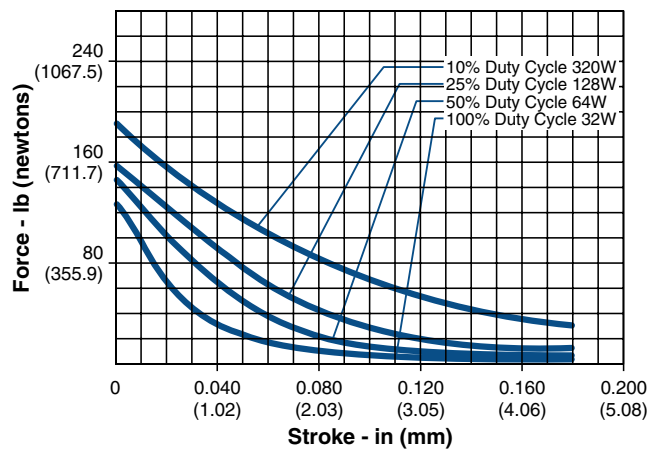
## How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 53 VDC, specify 187789-027).

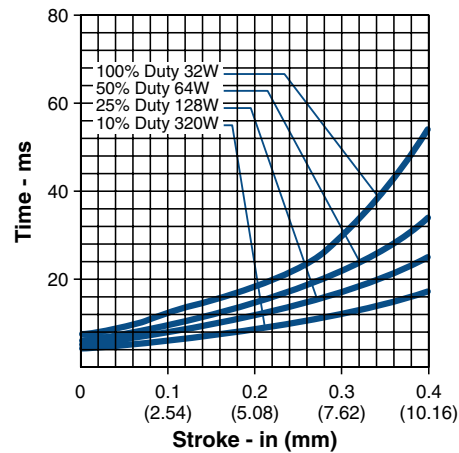
Please see [www.ledex.com](http://www.ledex.com) (click on Stock Products tab) for our list of stock products available through our North American distributors.

LINEAR Low Profile

Size 6SF— Typical Force @ 20°C



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



Force values for reference only.

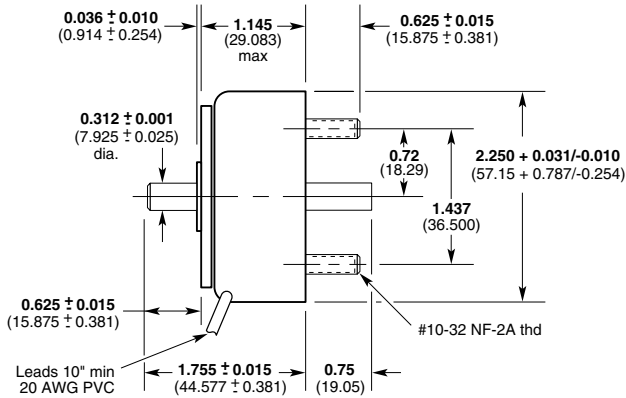
All specifications subject to change without notice.

# Ledex<sup>®</sup> Low Profile Dimensions

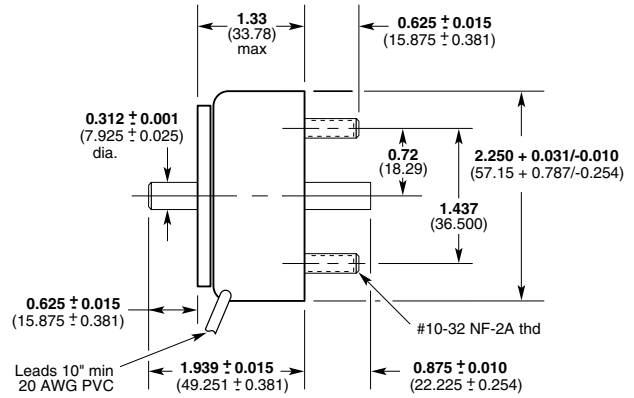
Inches (mm)

All solenoids are illustrated in energized state

## Size 6SF

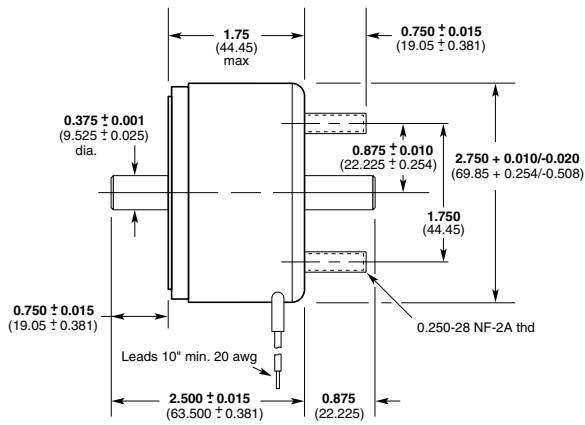


## Size 6EC

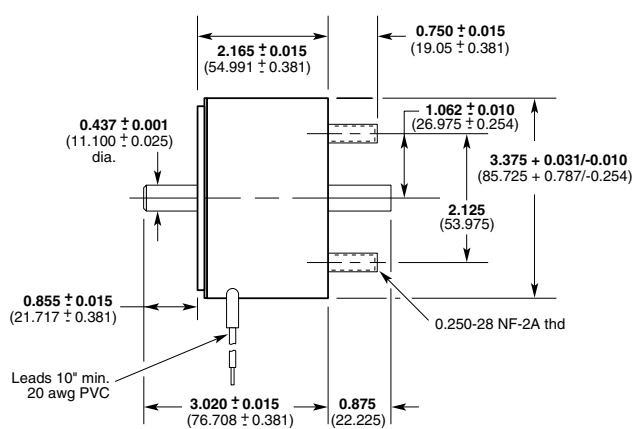


LINEAR Low Profile

## Size 7EC



## Size 8EC



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