

Ledex® Low Profile Size 4EF/4EC — Push or Pull

Size 4EF Short Stroke, Flat Face

Part Number: 129440-0XX

Size 4EC Medium Stroke, Conical Face

Part Number: 129409-0XX

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	100	36	9
Maximum ON Time (sec) for single pulse ²	∞	162	44	10
Watts (@ 20°C)	12.5	25	50	125
Ampere Turns (@ 20°C)	714	1000	1425	2250

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	1.59	266	4.3	6.0	8.5	13.4
24	2.20	301	5.2	7.3	10.4	16.4
25	3.54	384	6.6	9.2	13.1	21.0
26	5.67	486	8.3	11.7	16.6	26.0
27	8.76	600	10.4	14.6	21.0	33.0
28	13.80	748	13.2	18.5	26.0	42.0
29	22.60	975	16.6	23.0	33.0	52.0
30	34.80	1190	21.0	29.0	42.0	66.0
31	56.70	1520	27.0	37.0	53.0	84.0
32	88.30	1908	33.0	46.0	66.0	104.0
33	138.00	2360	42.0	59.0	83.0	132.0

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

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

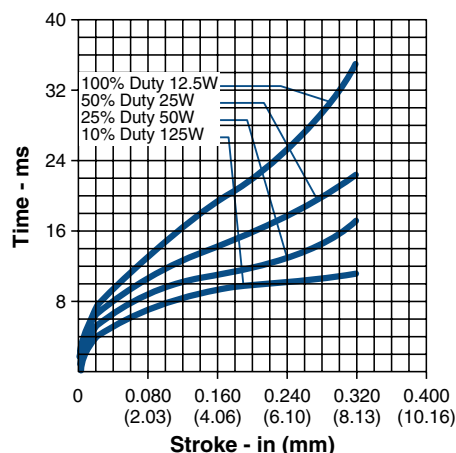
Specifications

Dielectric Strength	23-24 awg, 1000 VRMS ; 25-33 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 6 1/4" square by 1/8" thick
Coil Resistance	23-33 awg, ±5%
Weight	6.0 oz (170 gms)
Holding Force 4EF	37.0 lb (164.6 N) @ 105°C
Holding Force 4EC	16.0 lb (71.2 N) @ 105°C
Dimensions	Ø1.562" x 0.835" L (See page G17)

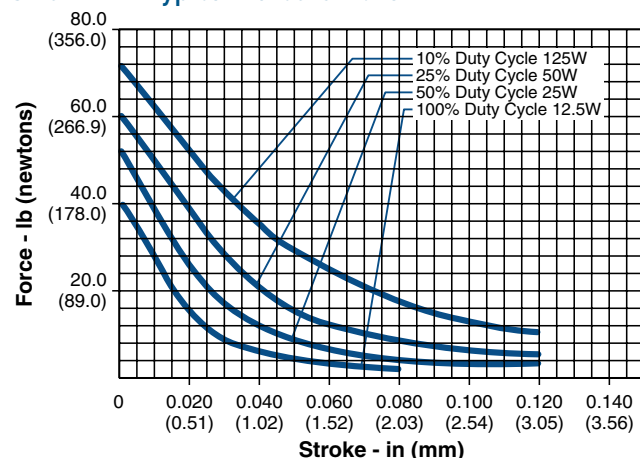
How to Order

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 21 VDC, specify 129440-027). Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

Size 4EF and 4EC—Typical Speed @ No Load, 20°C

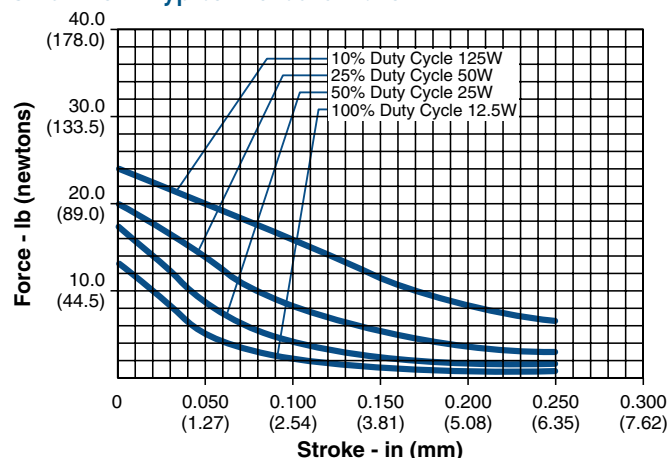


Size 4EF— Typical Force @ 20°C



Force values for reference only.

Size 4EC— Typical Force @ 20°C



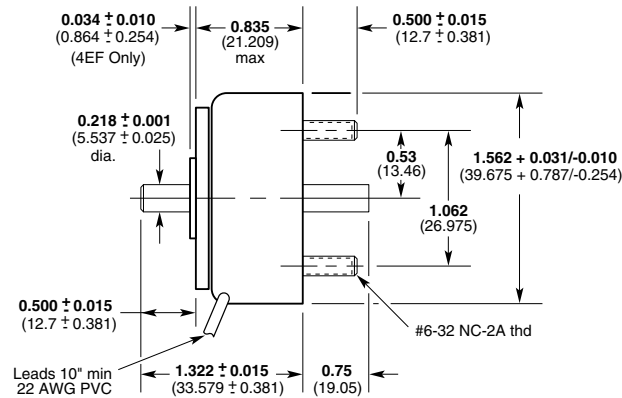
All specifications subject to change without notice.

Ledex® Low Profile Dimensions

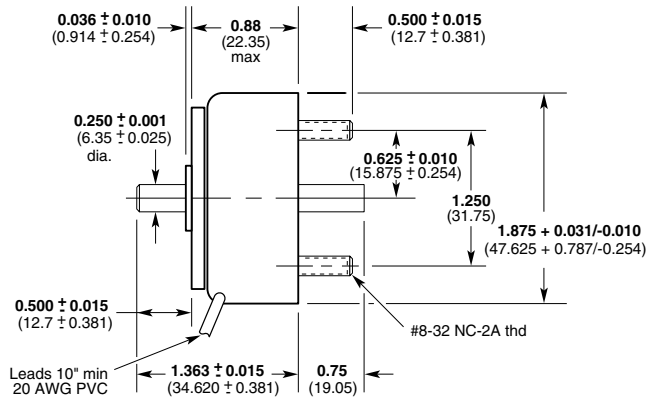
Inches (mm)

All solenoids are illustrated in energized state

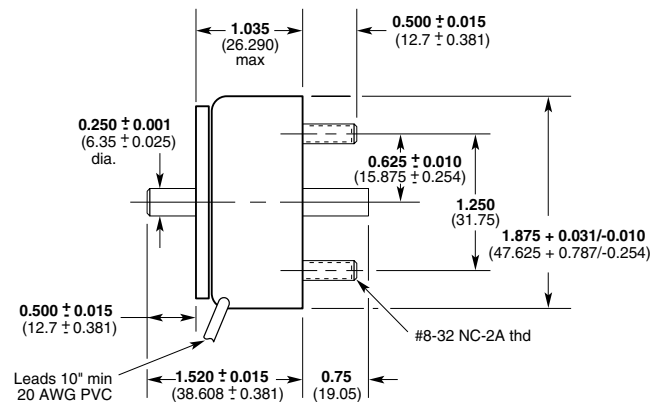
Size 4EF/4EC



Size 5SF



Size 5EC



LINEAR Low Profile

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