

# Size 1EF/1EC — Push or Pull

## Size 1EF Short Stroke, Flat Face

Part Number: 124910-0XX

Stock Models: 124910-031  
124910-036

## Size 1EC Medium Stroke, Conical Face

Part Number: 123421-0XX

Stock Models: 123421-031  
123421-033  
123421-036

### Performance

Maximum Duty Cycle	100%	50%	25%	10%		
Maximum ON Time (sec) when pulsed continuously <sup>1</sup>	∞	100	36	7		
Maximum ON Time (sec) for single pulse <sup>2</sup>	∞	162	44	8		
Watts (@ 20°C)	5	10	20	50		
Ampere Turns (@ 20°C)	340	480	680	1,075		
Coil Data						
awg (0XX) <sup>3</sup>	Resistance (@20°C)	# Turns <sup>4</sup>	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
25	0.83	140	2.1	2.9	4.1	6.5
26	1.38	186	2.6	3.7	5.2	8.2
27	1.91	210	3.2	4.5	6.3	10.1
28	3.17	273	4.1	5.7	8.1	12.8
29	5.17	352	5.1	7.2	10.2	16.2
30	8.25	441	6.5	9.2	13.0	21.0
31	12.95	550	8.2	11.6	16.4	26.0
32	20.71	682	10.6	14.9	21.0	34.0
33	30.60	828	12.7	18.2	26.0	41.0
34	50.95	1,078	16.5	23.0	33.0	52.0
35	83.92	1,392	21.0	30.0	42.0	67.0
36	112.00	1,500	26.0	37.0	52.0	83.0

<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

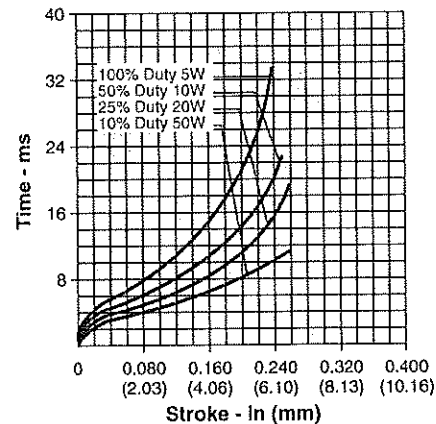
### Specifications

Dielectric Strength	1,000 VRMS
Recommended	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 3" square by 1/8" thick
Minimum Heat Sink	
Coil Resistance	25-35 awg, ±5%; 36 awg, ±10%
Weight	1.50 oz (42.5 gms)
Holding Force 1EF	6.0 lb (26.7 N) @ 105°C
Holding Force 1EC	5.4 lb (24.0 N) @ 105°C
Dimensions	Ø1.000" x 0.530" L (See page G18)

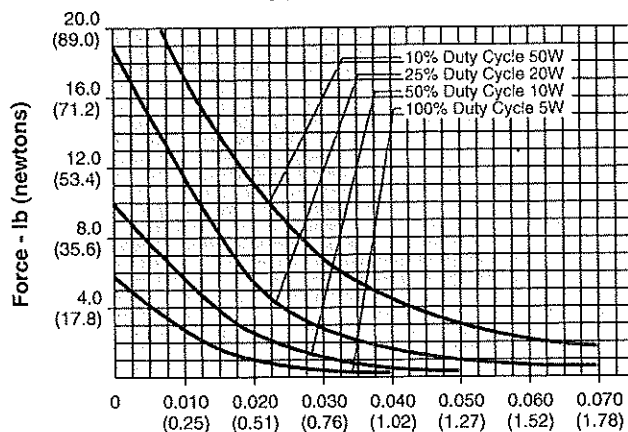
### How to order:

Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 6.3 VDC, specify 124910-027).

### Size 1EC and 1EF — Typical Speed @ No Load, 20°C

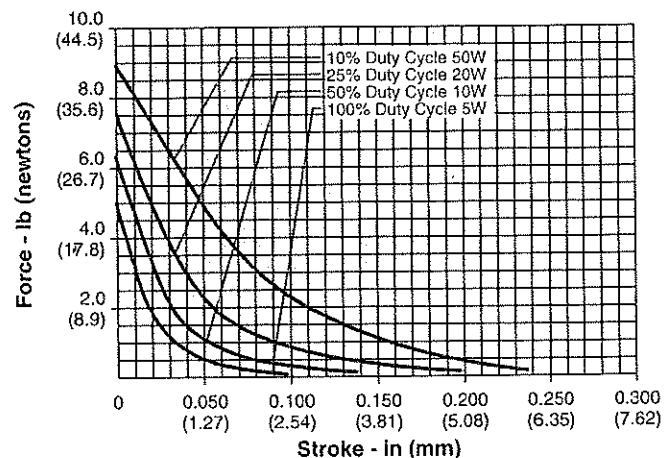


### Size 1EF — Typical Force @ 20°C



Force values for reference only.

### Size 1EC — Typical Force @ 20°C

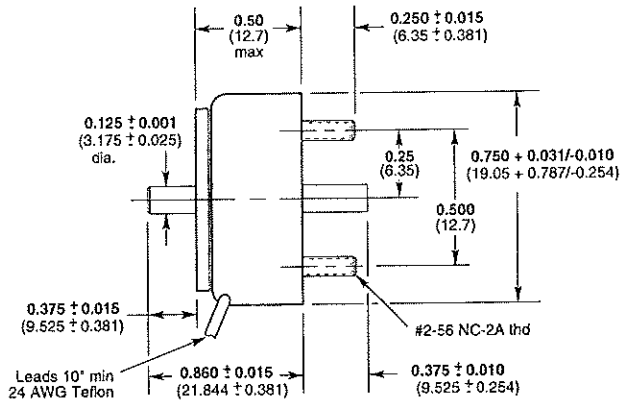


# Low Profile Dimensions

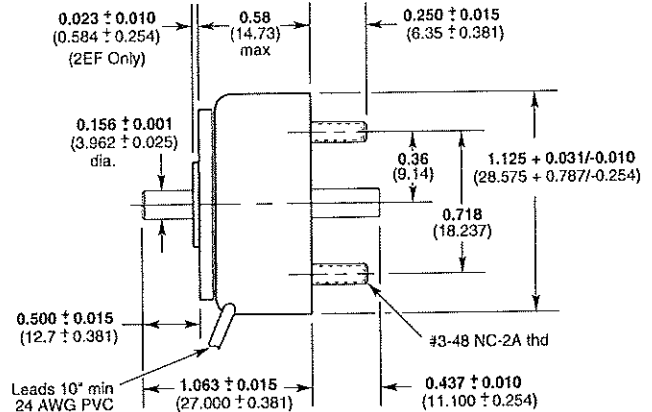
inches (mm)

All solenoids are illustrated in energized state

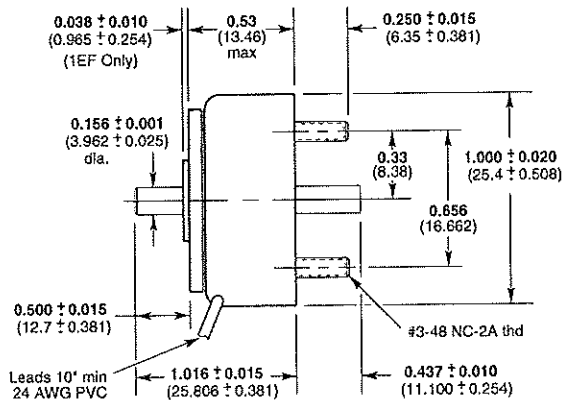
### Size OEC



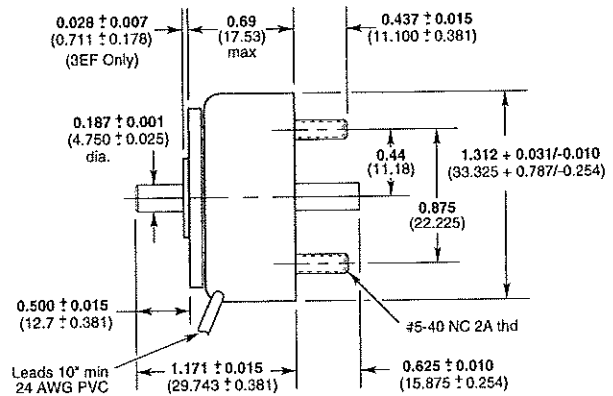
### Size 2EF/2EC



### Size 1EF/1EC



### Size 3EF/3EC



### Size 4EF/4EC

