Ledex® Size 155 Pull Tubular Solenoids — 1-1/2" Dia. x 1-1/2"

Part Number: 152097 - X XX

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

Coil AWG Number
(from performance chart below)

Plunger Configurations and anti-rotation flat on mounting
2 60° plunger without anti-rotation flat
6 60° plunger with anti-rotation flat

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously[1]	∞	214	51	12
Maximum ON Time (sec) for single pulse[2]	∞	467	155	51
Watts (@ 20°C)	11.5	23	46	115
Ampere Turns (@ 20°C)	1375	1945	2750	4350

Coil Data						
awg (0XX)[3]	Resistance (@20°C)	# Turns[4]	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	4.74	900	7.4	10.4	14.8	23.3
24	7.41	1120	9.2	13.1	18.5	29.2
25	11.50	1386	11.5	16.3	23	36.4
26	17.53	1692	14.2	20.1	28.4	44.9
27	29.41	2212	18.4	26	36.8	58.1
28	43.75	2655	22.4	31.7	44.8	70.9
29	70.36	3366	28.4	40.2	56.9	89.9
30	110.74	4199	35.7	50.4	71.3	112.8
31	183.48	5434	45.9	64.9	91.7	145.1
32	279.46	6624	56.7	80.1	113.3	179.2
33	442.65	8289	71.3	100.8	142.6	225.5

[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	1000 VRMS
Holding Force	60°: 10 lbs (44.48 N) at 20°C
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" square by 1/8" thick
Coil Resistance	±5% tolerance
Coil Termination	10" minimum lead wires
Weight	11.3 oz (320 gms)
Plunger Weight	1.6 oz (46 gms)
Dimensions	Ø1.5 x 1.68" L (see drawing on the following page)

How to Order

Add the plunger configuration and the coil awg number to the part number (for example: to order a unit with a 60° plunger configuration without an anti-rotation flat rated for 14 VDC at 25% duty cycle, specify 152097-223.

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

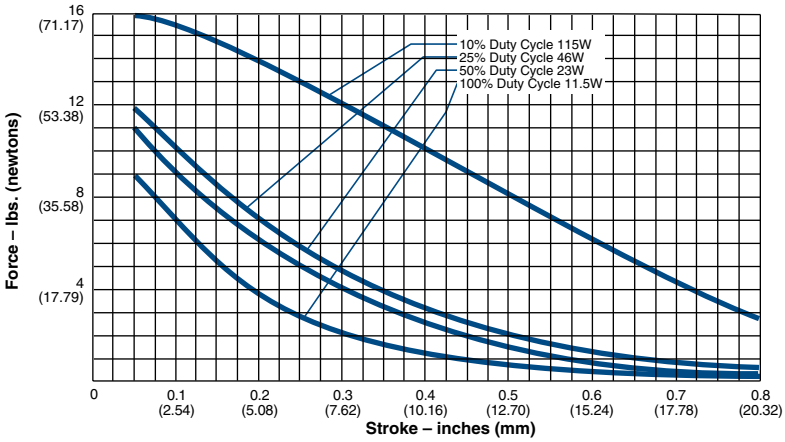
LINEAR Tubular

All specifications subject to change without notice.

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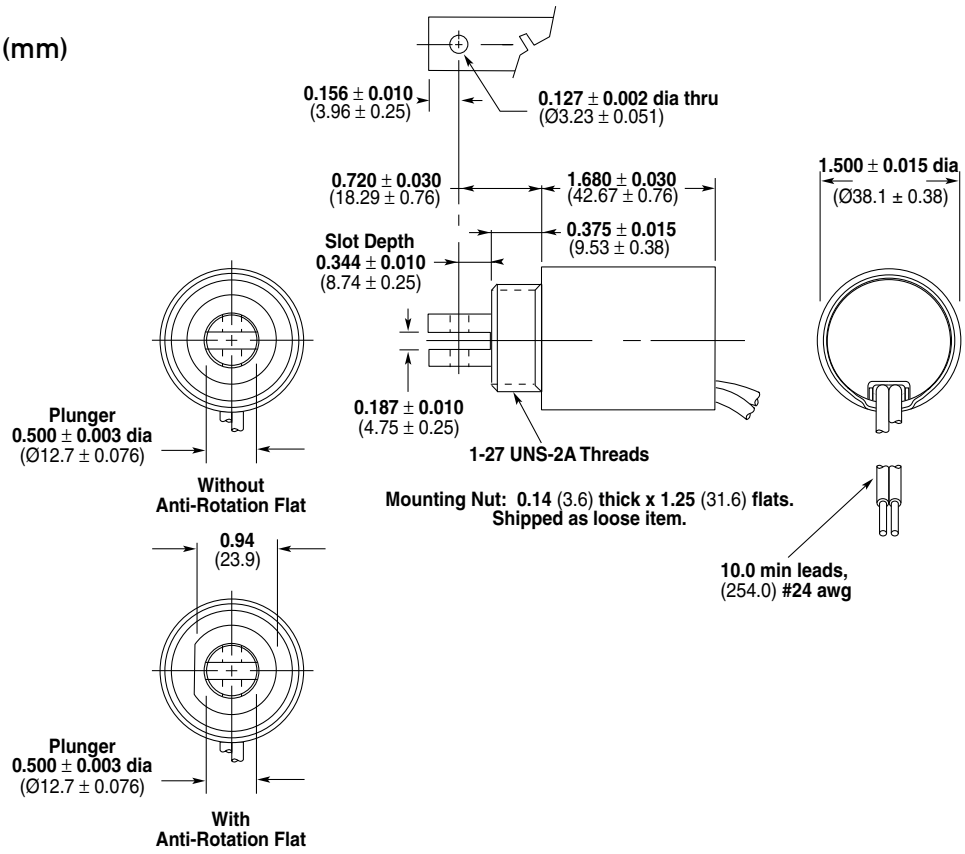
Pull Tubular Solenoid – 1-1/2" dia. x 1-1/2"

Typical Force @ 20°C



Dimensions

Inches (mm)



Solenoid illustrated in energized state.

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