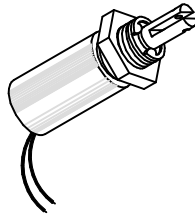


MAGNETIC SENSOR SYSTEMS

Pull Type Tubular Solenoid



Series S-69-38
3/8" DIA X 0.69"
[9.7 mm X 17.5 mm]

TOTAL WEIGHT: 0.38 OUNCES [10.8 GR]

PLUNGER WEIGHT: 0.08 OUNCES [2.2 GR]

duty cycle	1	1/2	1/4	1/10
maximum "ON" time, (Sec.)	∞	60	10	2
watts	2	4	8	20
approximate ampere turns	230	325	460	725

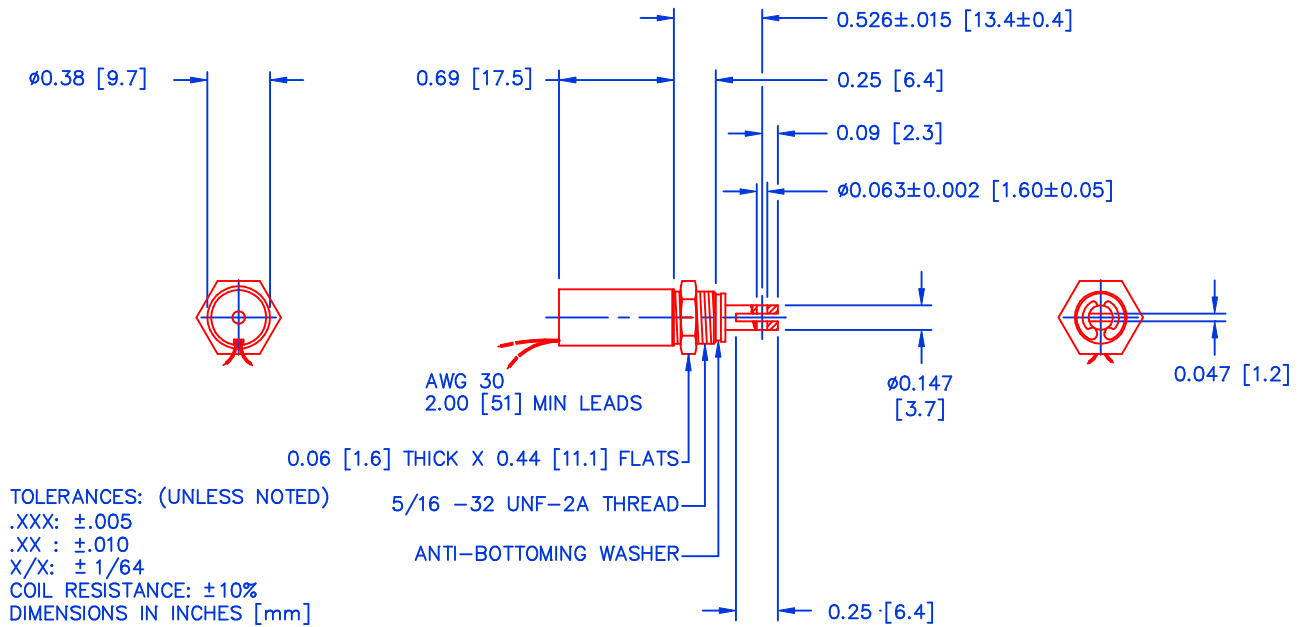
AWG number	resistance (Ω)	volts DC	volts DC	volts DC	volts DC
27	0.37	0.9	1.2	1.7	2.7
28	0.52	1.0	1.4	2.0	3.2
29	0.69	1.2	1.7	2.3	3.7
30	1.58	1.8	2.5	3.6	5.6
31	2.29	2.1	3.0	4.3	6.8
32	3.10	2.5	3.5	5.0	7.9
33	5.90	3.4	4.9	6.9	10.9
34	8.63	4.2	5.9	8.3	13.1
35	11.6	4.8	6.8	9.6	15.3
36	21.9	6.6	9.4	13.2	20.9
37	33.6	8.2	11.6	16.4	25.9
38	54.3	10.4	14.7	20.8	32.9
39	98.6	14.0	19.9	28.1	44.4
40	159	17.8	25.2	36.0	56.4
41	245	22.1	31.3	44.2	70.0
42	344	26.2	37.1	52.4	82.9

HEAT SINK: For proper heat dissipation, body of solenoid should be mounted on an equivalent of 2.0" x 2.0" x 1/8" aluminum plate in an unrestricted flow of air.

MAGNETIC SENSOR SYSTEMS

S-69-38

MECHANICAL DIMENSIONS



SOLENOID SHOWN ENERGIZED

TYPICAL PULL FORCE VERSUS STROKE

