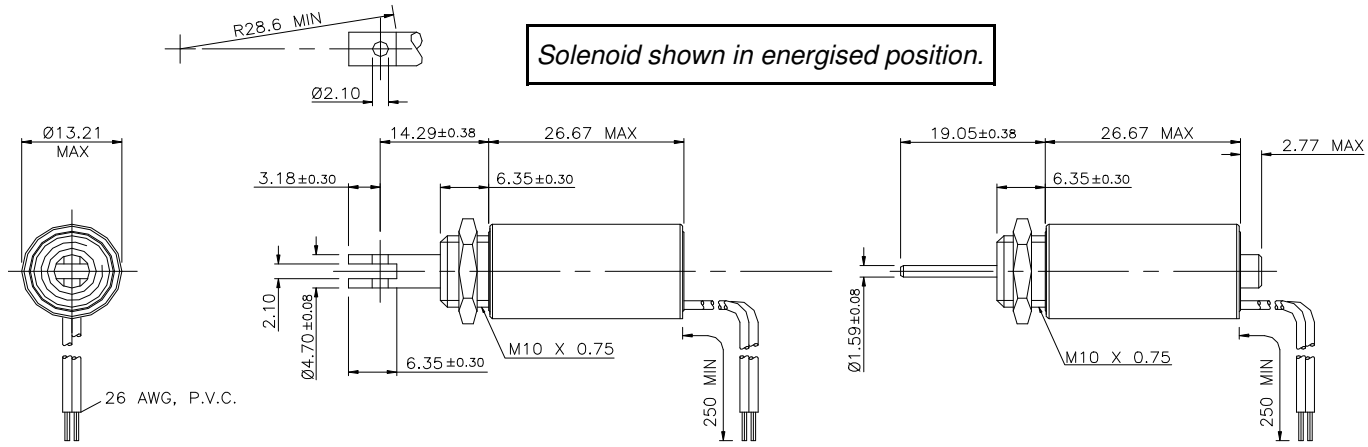
Long Life Tubular Solenoid

Push or Pull Linear

General Specifications:

- **Dielectric Strength:** 500 VRMS;
- **Recommended Heat Sink:** Maximum watts dissipated by the solenoid are based on an unrestricted flow of air at 20° C mounted on the equivalent of an aluminium plate 51x51x3.2mm min.
- **Coil Resistance:** +/- 5% tolerance
- **Holding Force:** 4.0 N @ 20° C
- **Weight:** 22.1 g Pull / 22.6 g Push.
- **Plunger Weight:** 4.1 g Pull / 2.8 g Push.

Part Number: Pull SDT1327L-2XX
Push SDT1327S-2XX



Coil Specifications

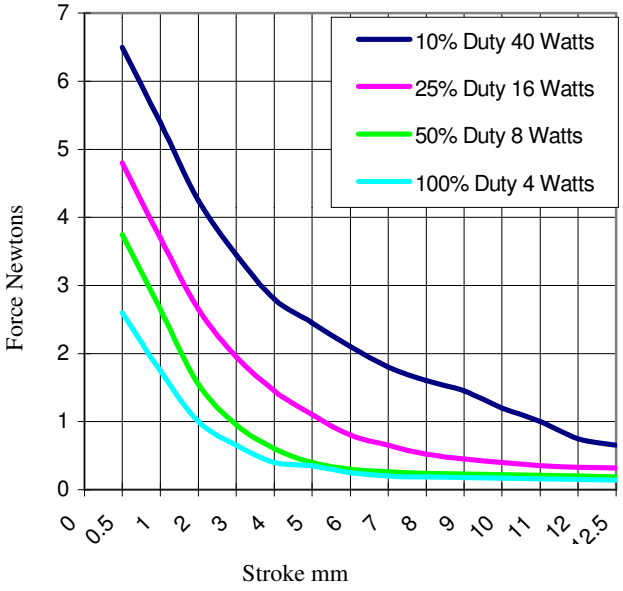
Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) When pulsed continuously 1	∞	50	5	2
Maximum ON Time (seconds) for single pulse 2	∞	140	30	8
Watts (@20° C)	4	8	16	40
Ampere Turns (@ 20° C)	497	704	994	1573

Coil Data

awg. (2xx)3	Resistance (@ 20°C)	# Turns 4	Nominal DC Voltage			
27	1.43	306	2.4	3.4	4.8	7.6
28	1.95	342	2.8	3.9	5.6	8.8
29	3.84	508	3.9	5.5	7.8	12.4
30	5.29	572	4.6	6.5	9.2	14.5
31	9.56	795	6.2	8.8	12.4	19.6
32	16.54	1068	8.1	11.5	16.3	25.7
33	22.60	1194	9.5	13.4	19.0	30.0
34	37.41	1547	12.2	17.3	24.0	39.0
35	60.71	1976	15.6	22.0	31.0	49.0
36	96.19	2475	19.6	28.0	39.0	62.0
37	149.93	3060	24.5	35.0	49.0	77.0

Performance

Typical Starting Force @ 20°C



Notes:

1. Continuously pulsed at stated watts and duty cycle.
2. Single pulsed at stated watts (with coil at ambient room temperature 20°C).
3. Other coil gauges available, consult factory.
4. Reference number of turns.
5. Anti rotational mounting bushes available on request.

How to Order:

Add the coil awg number to the part number, alternatively please specify; the Voltage / Duty cycle / Starting Force / Stroke required and any special requirements.

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