

Tubular Solenoid

Long Life Linear

Push SDT1020S-2XX

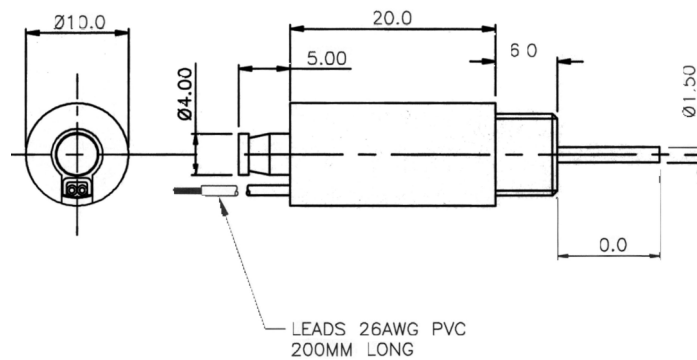


General Specifications:

- **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 51 x 51 x 3.2mm min.

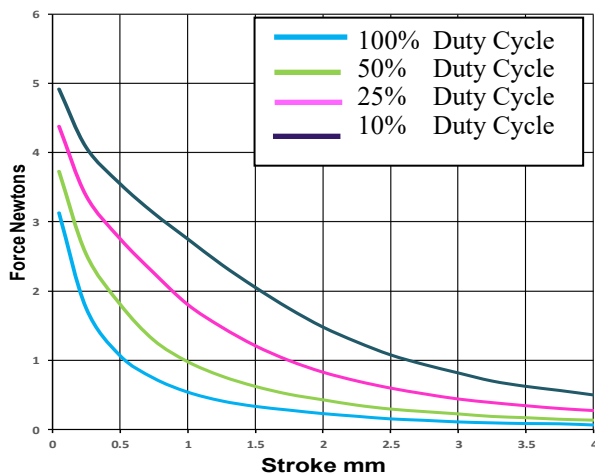
- **Coil Resistance:** +/- 5% tolerance
- **Holding Force:** 300 g @ 20° C
- **Weight:** 14 g
- **Plunger Weight:** 3 g

Solenoid shown in energised position



Performance Specification

Typical Starting Force @ 20°C



Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (seconds) When pulsed continuously (1)	∞	30	3	1
Maximum ON Time (seconds) for single pulse (2)	∞	90	9	3
Watts (@20° C)	2.3	4.6	9.2	23
Ampere Turns (@ 20° C)	262	373	526	833

Coil Data

avg. (2XX) (3)	Resistance (@ 20°C)	# Turns (4)	Nominal DC Voltage			
35	15.6	680	6	8.5	12	19
38	62.6	1372	12	17	24	38
40	157	2210	19	27	38	60

Other ratings available on request

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
SDT1020S-2XX

Alternatively please specify:

- Voltage
- Duty Cycle
- Starting Force
- Stroke Required

Please Note: In line with continued development we reserve the right to amend specification without prior notice (Rev 02/19)

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