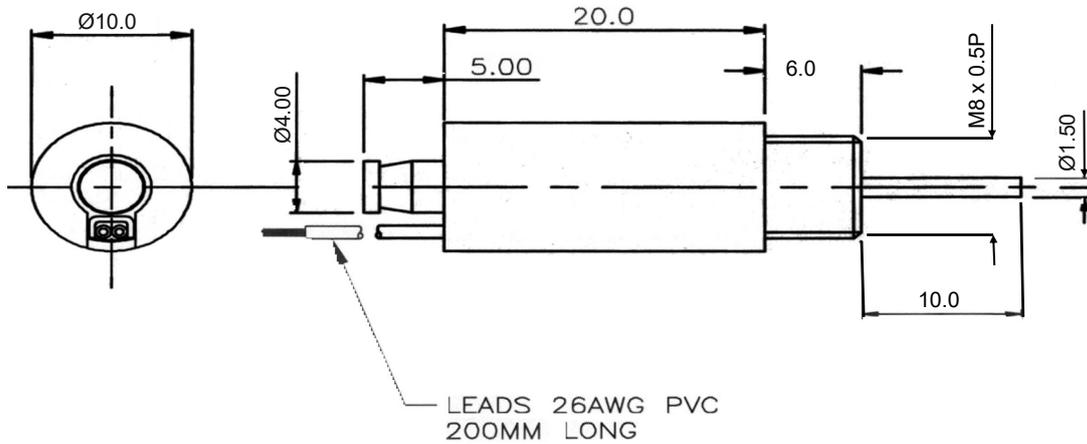


# Tubular Solenoid

## Linear - Push - SDT1020S



### Dimensions



Solenoid shown in energised position

### General Specifications

**Dielectric Strength:** 500 VRMS

**Coil Resistance:** +/- 5% tolerance

**Holding Force:** 300 g @ 20° C

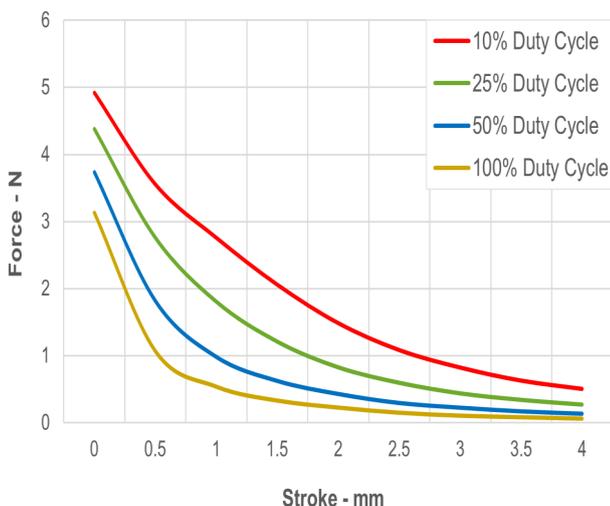
**Weight:** 14 g

**Plunger Weight:** 3 g

**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.

### Performance Specifications

Typical Starting Force @ 20° c



### Coil Specifications

Maximum Duty Cycle	100%	50%	25%	10%		
Maximum ON Time (seconds) when pulsed continuously	∞	30	3	1		
Maximum ON Time (seconds) for single pulse	∞	90	9	3		
Watts (@ 20° C)	2.3	4.6	9.2	23		
Ampere Turns (@ 20° C)	262	373	526	833		
<b>Coil Data</b>						
avg.	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
35	15.6	680	6	8.5	12	19
36	25.0	880	7.4	11	15	24
37	35.2	996	9.3	13	19	29
38	62.6	1372	12	17	24	38
40	125	1820	18	26	36	57

Other ratings available on request

NSF Controls reserves the right to amend specification without prior notice. (Rev 02/25) [www.nsfcontrols.co.uk](http://www.nsfcontrols.co.uk)

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