

# Tubular Solenoid

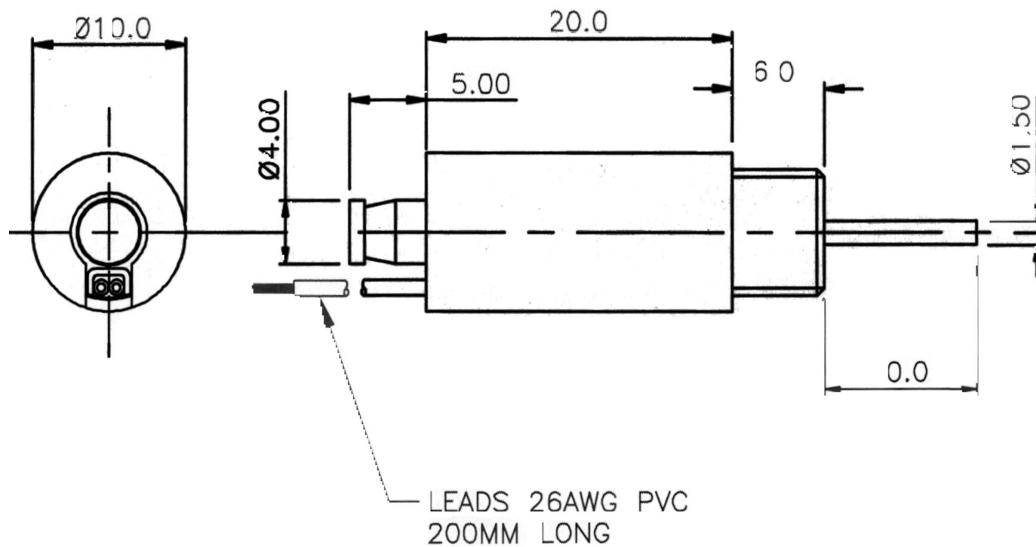
## Linear - Push - SDT1020S



# NSF

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### Dimensions



Solenoid shown in energised position

### General Specifications

**Dielectric Strength:** 500 VRMS

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

**Holding Force:** 300 g @ 20° C

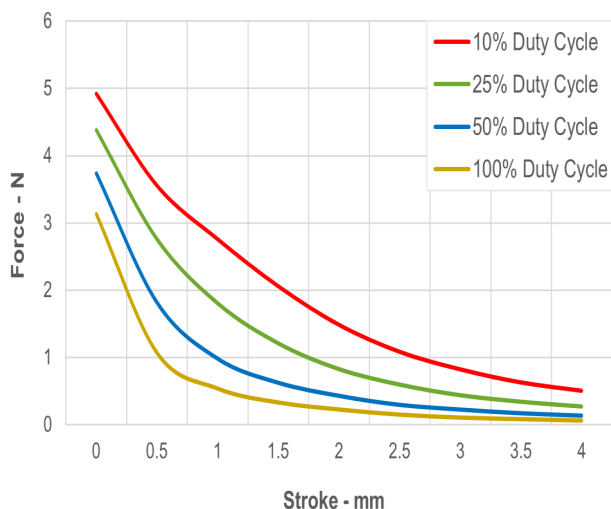
**Weight:** 14 g

**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>						
awg.	Resistance (@ 20°C)	# Turns	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

NSF Controls reserves the right to amend specification without prior notice. (Rev 08/21) [www.nsfcontrols.co.uk](http://www.nsfcontrols.co.uk)

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