

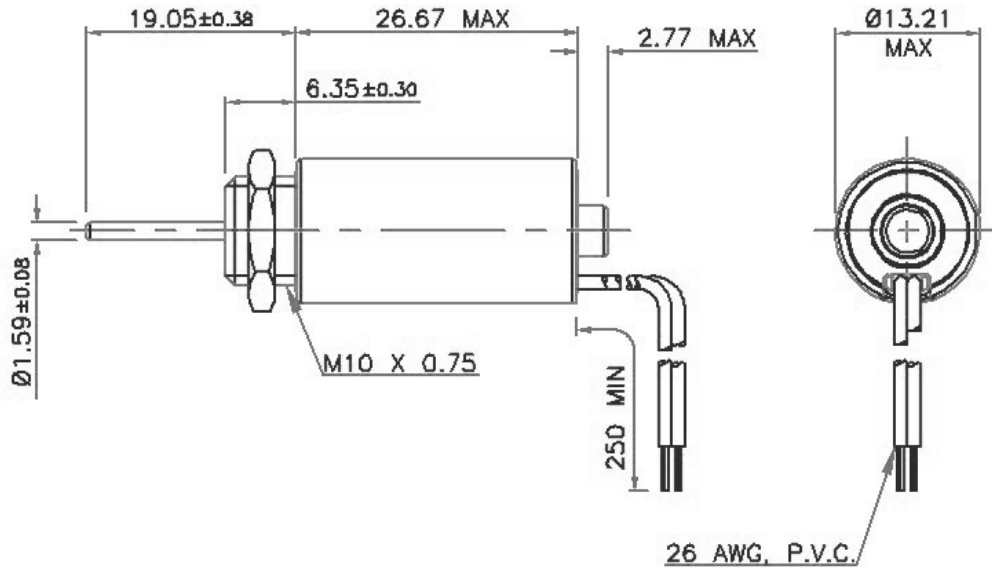
# Tubular Solenoid

## Linear - Push- SDT1327S



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### Dimensions



Solenoid shown in energised position

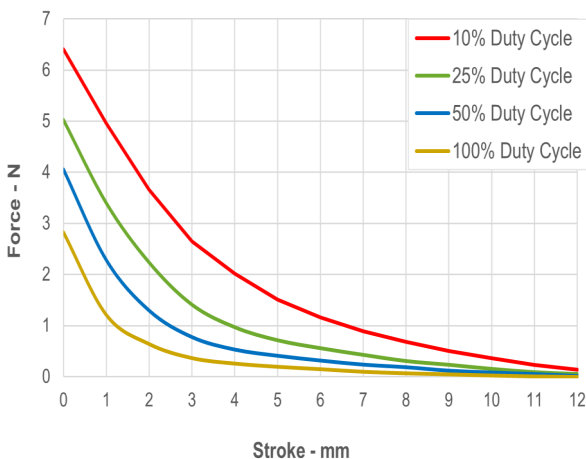
### General Specifications

**Dielectric Strength:** 500 VRMS  
**Coil Resistance:** +/- 5% tolerance  
**Holding Force:** 4.0 N @ 20° C  
**Weight:** 22.6 g  
**Plunger Weight:** 2.8 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	∞	50	5	2
Maximum ON Time (seconds) for single pulse	∞	140	30	8
Watts (@ 20° C)	4	8	16	40
Ampere Turns (@ 20° C)	497	704	994	1573

#### Coil Data

awg.	Resistance (@ 20°C)	# Turns	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

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

NSF Controls Ltd | Ingrow Bridge Works | Keighley | West Yorkshire | BD21 5EF | UK | E: [info@nsfcontrols.co.uk](mailto:info@nsfcontrols.co.uk) | T: +44(0)1535 661144