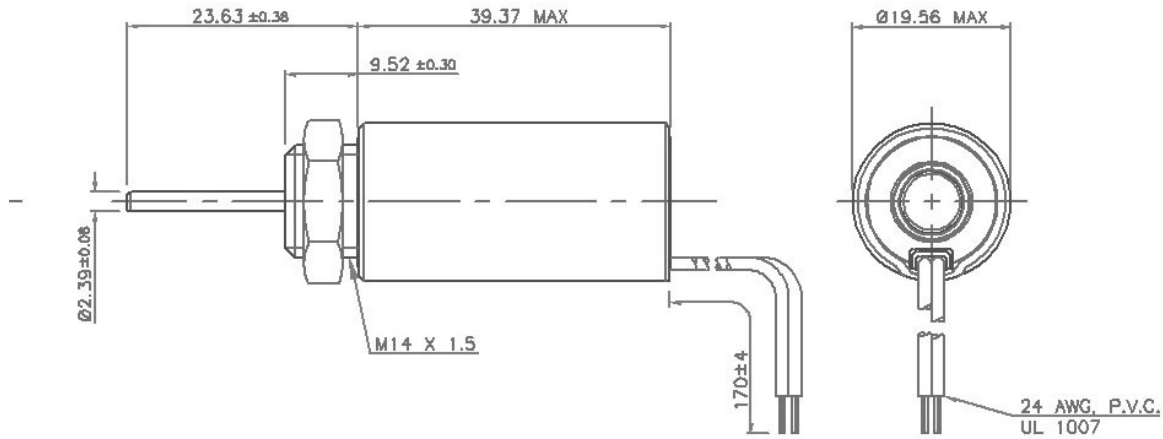


Tubular Solenoid

Linear - Push - SDT 2039S



Dimensions



Solenoid shown in energised position.

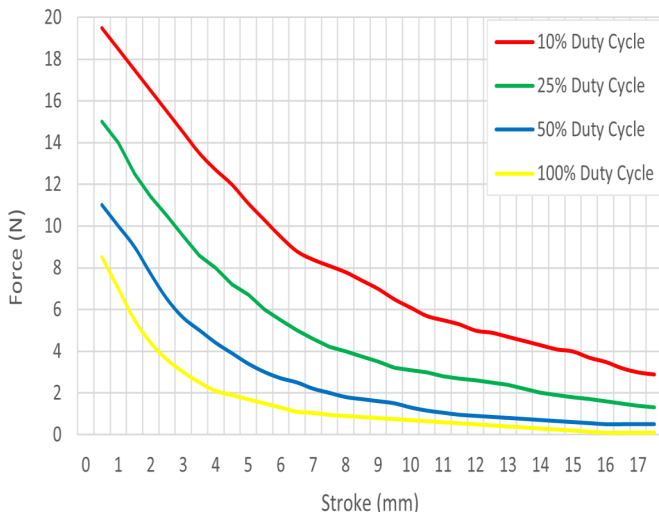
General Specifications

Dielectric Strength: 1000 VRMS
Coil Resistance: +/- 5% tolerance
Holding Force: 12.8 N @ 20° C
Weight: 78.2 g
Plunger Weight: 13.5 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 76 x 76 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 | ∞ | 230 | 25 | 6 |
| Maximum ON Time (seconds) for single pulse | ∞ | 265 | 63 | 15 |
| Watts (@20° C) | 7 | 14 | 28 | 70 |
| Ampere Turns (@ 20° C) | 855 | 1200 | 1700 | 2700 |

Coil Data

| avg. (2XX) | Resistance (@ 20° C) | # Turns | Nominal DC Voltage | | | |
|------------|----------------------|---------|--------------------|------|------|------|
| 25 | 2.13 | 488 | 3.9 | 5.5 | 7.7 | 12.2 |
| 26 | 2.9 | 544 | 4.5 | 6.4 | 9.0 | 14.2 |
| 27 | 5.27 | 760 | 6.1 | 8.6 | 12.1 | 19.2 |
| 28 | 9.15 | 1026 | 8.0 | 11.3 | 16.0 | 25.0 |
| 29 | 12.5 | 1146 | 9.4 | 13.2 | 18.7 | 30.0 |
| 30 | 20.7 | 1491 | 12.0 | 17.0 | 24.0 | 38.0 |
| 31 | 33.6 | 1904 | 15.0 | 22.0 | 31.0 | 48.0 |
| 32 | 53.5 | 2394 | 19.4 | 27.0 | 39.0 | 61.0 |
| 33 | 83.5 | 2970 | 24.0 | 34.0 | 48.0 | 76.0 |

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

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