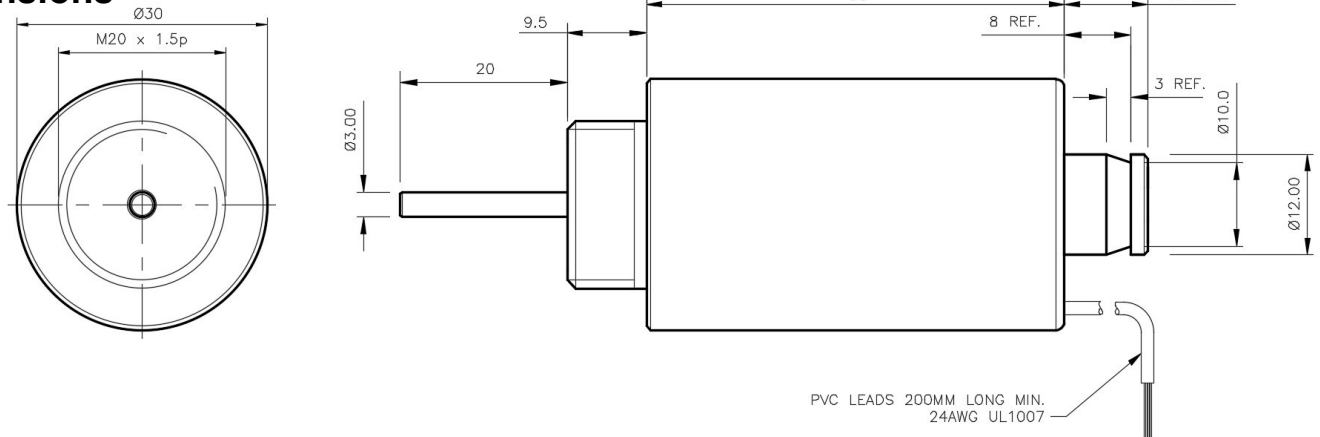


Tubular Solenoid

Linear - Push - SDT 3050S



Dimensions



Solenoid shown in energised position

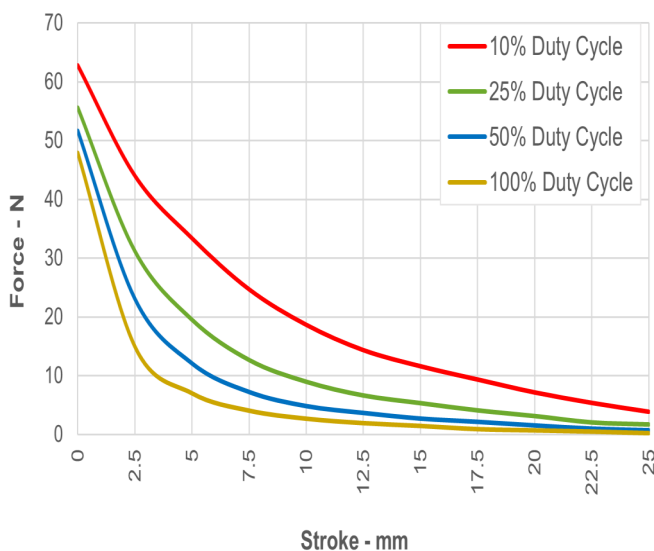
General Specifications

Dielectric Strength: 1000 VRMS
Coil Resistance: +/-5% tolerance
Holding Force: 56.6 N @ 20° C
Weight: 223 g
Plunger Weight: 38 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 102 x 102 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 con-	∞	370	45	12
Maximum ON Time (seconds) for single pulse	∞	480	135	38
Watts (@ 20° C)	12	24	48	120
Ampere Turns (@ 20° C)	1460	2070	2920	4600

Coil Data

awg.	Resistance (@ 20°C)	# Turns	Nominal DC Voltage			
21	1.2	450	3.8	5.3	7.5	12
22						
23	3	745	6	8.5	12	19
24	4.6	877	7.4	10.5	14.9	23.5
25	7.6	1148	9.5	13.5	19	30
26	12	1443	12	17	24	38
27	18.7	1774	15	21.2	30	47.4
28	24	1868	17	24	34	54
29	48	2927	24	34	48	76
30	76.4	3564	30.3	42.8	60.5	95.7
31	114	4301	37	52.3	74	117
32	208	5970	50	70	100	160
33	259	6345	55.7	79	111.5	176

Other ratings available on request

NSF Controls reserves the right to amend specification without prior notice. (Rev 05/23) www.nsfcontrols.co.uk

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