DC Tubular Solenoid

GUARDIAN E LE CONSIGN OF REICO INDUSTRIES

Model T12x13



High performance construction Available return spring kit DC solenoid applications only See TP12x13 for push application UL recognized

Electrical:

Coil Voltages: 6, 12, 24, 48, 110 VDC standard

Coil Termination: 6.5" Wire leads

22 AWG (standard)

Duty Cycle: 100% Continuous, 25% Intermittent,

10% Intermittent, 1% Pulse

Coil treatment: Tape Wrapped

Insulation Class: Class A Rating - 105°C (221°F)

Dielectric Strength: 1500V 60 Hz

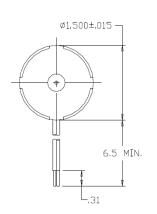
Mechanical:

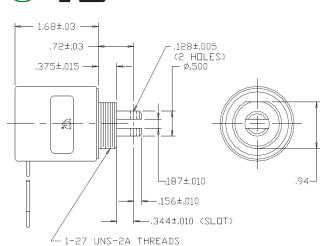
Size: 1.63" (L) x 1.5"(D) Plunger Diameter: 0.5 Plunger Guide Material: Plastic

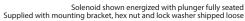
Mounting: Hex Nut

Weight: Plunger 1.7 oz, Total 10.2 oz Life Expectancy: 1 Million Cycles¹

¹ - Dependent on load conditions







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Standard Part Numbers

Model	Part Number	Duty Cycle	Voltage	Resistance 2 (Ω)	Power (W)	Current (mA)
T12x13-C-12D	A420-066051-00	Cont.	12VDC	22.8	6.6	526 mA
T12x13-I-12D	A420-066052-00	Inter.	12VDC	7.3	20.7	1.64 A
T12x13-C-24D	A420-066053-00	Cont.	24VDC	90.4	6.7	265 mA
T12x13-I-24D	A420-066054-00	Inter.	24VDC	28.4	21.3	845 mA

2 - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles

Available Customization:

- Plunger
- Lead and Connector
- DC Voltage
- Duty Cycle
- Insulation systems up to class H 180° C (356° F) * Minimum quantities apply

Typical Pull Force Ounces [N] @ 20°C (68°F) (Distance from fully seated position)									Power (W)
Stroke (in.)	0.050	0.125	0.250	0.375	0.500	0.625	0.750	Ounces [N]	
Continuous 100%	80 [22.2]	40 [11.1]	18 [5]	10 [2.8]	5 [1.4]	2 [0.6]	1 [0.3]	188 [52.3]	6.7
Intermittent 25%	140 [38.9]	104 [28.9]	55 [15.3]	30 [8.3]	20 [5.6]	15 [4.2]	7 [1.9]	215 [59.8]	21
Intermittent 10% ³	220 [61.2]	184 [51.2]	145 [40.3]	121 [33.6]	102 [28.4]	89 [24.7]	73 [20.3]	546 [151.8]	62
Pulse 1%³	252 [70.1]	218 [60.6]	180 [50]	154 [42.8]	137 [38.1]	125 [34.8]	108 [30]	N/A	198

Optional Return Spring Kit A490-367460-01

Continuous Duty 100% = 100% On Time Intermittent Duty 25% = 25% On Time (100 Sec On Max 300 Sec off) Intermittent Duty 10% = 90% On Time (10 Sec On Max 90 Sec off) Pulse Duty 1% = 99% On Time (1 Sec On Max 99 Sec off) 3 - Calculated force values to be verified in application









