DC Tubular Solenoid

Model T8x9

Features:

- High performance construction
- Available return spring kit
- DC solenoid applications only
- See TP8x9 for push application
- UL recognized

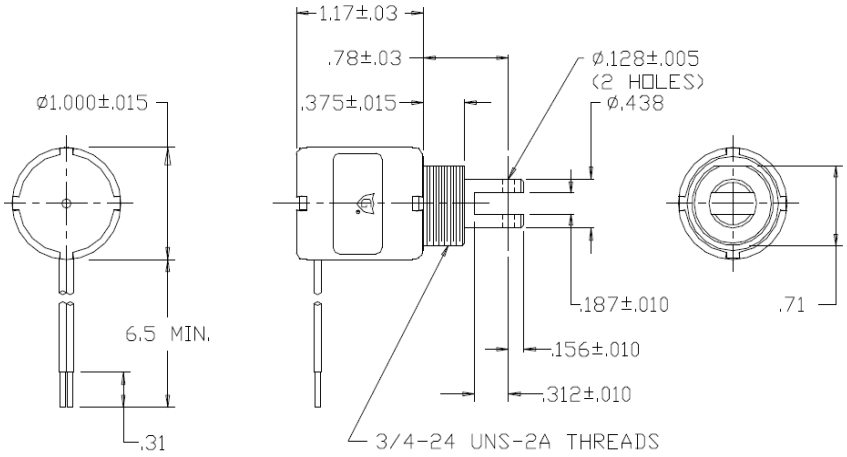
Electrical:

- Coil Voltages: 6, 12, 24, 48, 110 VDC standard
- Coil Termination: 6.5" Wire leads
  26 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: 1.13" (L) x 1"(D)
- Plunger Diameter: 0.937
- Plunger Guide Material: Plastic
- Mounting: Hex Nut
- Weight: Plunger 1 oz, Total 3.5 oz
- Life Expectancy: 1 Million Cycles[1]

[1] - Dependent on load conditions



Solenoid shown energized with plunger fully seated
Supplied with mounting bracket, hex nut and lock washer shipped loose

Standard Part Numbers

Model	Part Number	Duty Cycle	Voltage	Resistance[2] (Ω)	Power (W)	Current (mA)
T8x9-C-12D	A420-066652-00	Cont.	12VDC	35.5	4.3	228 mA
T8x9-I-12D	A420-066653-00	Inter.	12VDC	10.9	13.9	1.1 A
T8x9-C-24D	A420-066654-00	Cont.	24VDC	135	4.5	178 mA
T8x9-I-24D	A420-066655-00	Inter.	24VDC	44	13.7	545 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)						HOLDING FORCE Ounces [N]	Power (W)
Stroke (in.)	0.050	0.125	0.250	0.375	0.500		
Continuous 100%	20 [5.6]	10 [2.8]	4 [1.1]	1 [0.3]	0.5 [0.1]	96 [26.7]	4.5
Intermittent 25%	42 [11.7]	30 [8.3]	15 [4.2]	6 [1.7]	2 [0.6]	128 [35.6]	14
Intermittent 10%[3]	95 [26.4]	70 [19.5]	42 [11.7]	25 [7]	12 [3.3]	241 [67]	40
Pulse 1%[3]	144 [40]	120 [33.4]	80 [22.2]	46 [12.8]	26 [7.2]	N/A	100

Optional Return Spring Kit
A490-367460-03

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

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