

LT Tubular Solenoid

Model LT8x9



1425 Lake Avenue, Woodstock, IL 60098

Features:

- Long life construction
- Plunger stop for quiet operation
- DC solenoid applications only
- RoHS Compliant
- UL Recognized
- Stainless steel guide tube
- Teflon coated plunger
- Coil Termination: 6.5" Wire leads
22 AWG (standard)

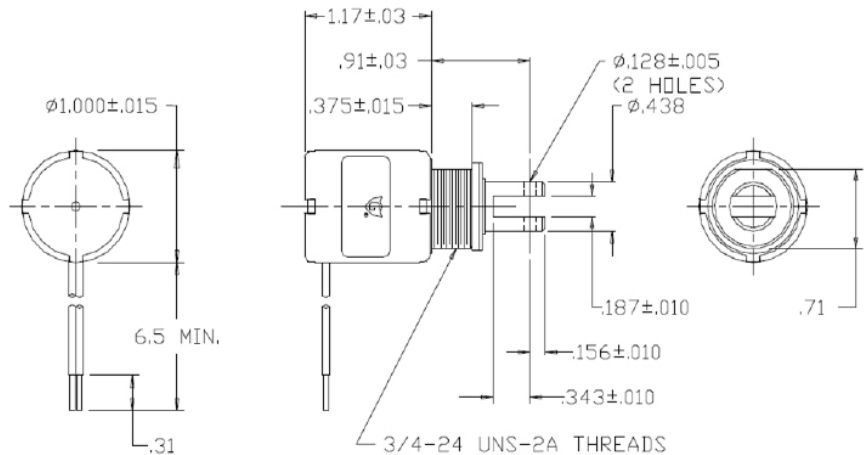


Electrical:

- Coil Voltages: 6, 12, 24, 48, 110VDC 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: 0.437"
- Plunger Guide Material: Stainless Steel
- Mounting: Hex Nut
- Weight: Plunger 1.1 oz, Total 3.7 oz
- Life Expectancy: 10 Million Cycles¹



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

Standard Part Numbers

Model No.	Part No.	Duty Cycle	Voltage	Resistance ² (Ω)	Power (W)	Current
LT8x9-C-12D	A420-064842-00	Cont.	12VDC	27.6	5.5	435 mA
LT8x9-I-12D	A420-064843-00	Inter.	12VDC	11.1	13.6	1.08 A
LT8x9-C-24D	A420-064844-00	Cont.	24VDC	109	5.5	220 mA
LT8x9-I-24D	A420-064845-00	Inter.	24VDC	44.6	13.6	538 mA

² - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles

Available Customization:

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

Stroke (in.)	Typical Pull Force Ounces [N] @ 20°C (68°F) (Distance from fully seated position)					HOLDING FORCE Ounces [N]	Power (W)
	0.050	0.125	0.250	0.375	0.500		
Continuous 100%	25 [7]	10 [2.8]	5 [1.4]	2 [0.6]	0.5 [0.1]	24 [6.7]	5.5
Intermittent 25%	50 [13.9]	27 [7.5]	10 [2.8]	6 [1.7]	2 [0.6]	60 [16.7]	13.6
Intermittent 10% ³	91 [25.3]	72 [20]	39 [10.8]	18 [5]	7 [1.9]	114 [31.7]	41.5
Pulse 1% ³	143 [39.8]	125 [34.8]	79 [22.1]	45 [12.5]	22 [6.1]	N/A	102.3

Continuous Duty 100% = 100% On Time
Intermittent Duty 25% = 25% On Time (100 Seconds On Max Followed By 300 Seconds Off)
Intermittent Duty 10% = 90% On Time (10 Seconds On Max Followed By 90 Seconds Off)
Pulse Duty 1% = 99% On Time (1 Second On Max Followed By 99 Seconds Off)

³ - Calculated force values to be verified in application

Optional Return Spring Kit

A490-367460-21



www.Kelcoind.com

Information contained in this specification sheet subject to change without notice. Guardian Electric ©

