LT Tubular Solenoid

Model LT3.5x9

GUARDIAN ELECTRIC
1425 Lake Avenue, Woodstock, IL 60098

Features:

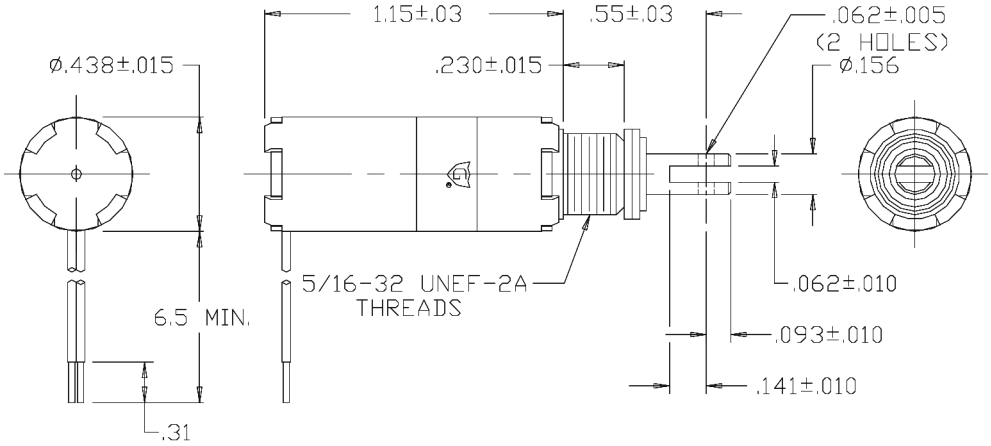
- Long life construction
- Plunger stop for quiet operation
- DC solenoid applications only
- RoHS Compliant
- UL recognized
- Stainless steel guide tube
- Teflon coated plunger
- Coil Termination: 6.5" Wire leads
  26 AWG (standard)

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: 1.15" (L) x 0.44"(D)
- Plunger Diameter: 0.156"
- Plunger Guide Material: Stainless Steal
- Mounting: Hex Nut
- Weight: Plunger 0.1 oz, Total 0.6 oz
- Life Expectancy: 10 Million Cycles[1]



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
LT3.5x9-C-12D	A420-064802-00	Cont.	12VDC	52.4	2.9	229 mA
LT3.5x9-I-12D	A420-064803-00	Inter.	12VDC	27	5.6	444 mA
LT3.5x9-C-24D	A420-064804-00	Cont.	24VDC	221	2.7	109 mA
LT3.5x9-I-24D	A420-064805-00	Inter.	24VDC	105	5.8	229 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**

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%	3 [0.8]	1.5 [0.4]	1 [0.3]	N/A	N/A	1.5 [0.4]	2.8
Intermittent 25%	6 [1.7]	2 [0.6]	1.5 [0.4]	N/A	N/A	1.8 [0.5]	5.7
Intermittent 10%[3]	11 [3.1]	5.5 [1.5]	3.5 [1]	1.5 [0.4]	0.5 [0.1]	12 [3.3]	17
Pulse 1%[3]	15 [4.2]	10 [2.8]	6 [1.7]	4.5 [1.3]	1.5 [0.4]	N/A	43

Optional Return Spring Kit
A490-367460-26

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

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