

LT Tubular Solenoid

Model LT4x12



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)



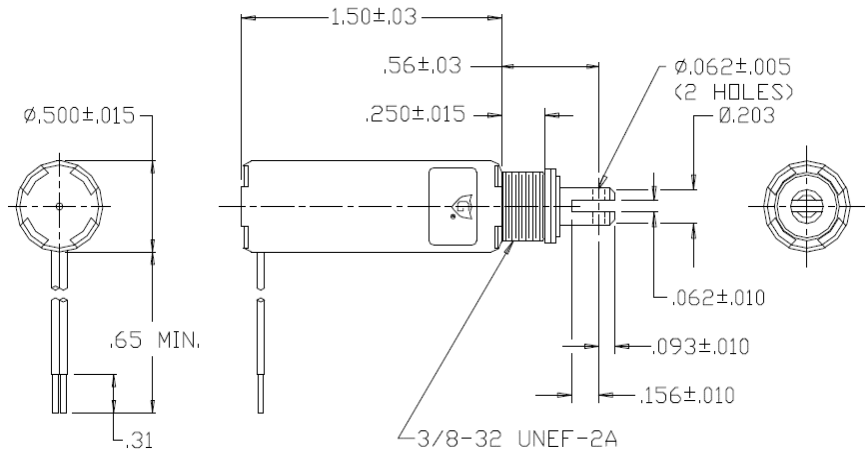
Electrical:

- Coil Voltages: 6, 12, 24, 48, 110 VDC standard
- 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: 1.51" (L) x 0.5" (D)
- Plunger Diameter: 0.203
- Plunger Guide Material: Stainless Steel
- Mounting: Hex Nut
- Weight: Plunger 0.2 oz, Total 1.1 oz
- Life Expectancy: 10 Million Cycles¹

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 No.	Part No.	Duty Cycle	Voltage	Resistance ² (Ω)	Power (W)	Current
LT4x12-C-12D	A420-064818-00	Cont.	12VDC	49.3	3.1	243 mA
LT4x12-I-12D	A420-064819-00	Inter.	12VDC	19.2	7.9	625 mA
LT4x12-C-24D	A420-064820-00	Cont.	24VDC	192	3.2	125 mA
LT4x12-I-24D	A420-064821-00	Inter.	24VDC	76.3	7.9	315 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	0.625		
Continuous 100%	9 [2.5]	3 [0.8]	1.5 [0.4]	0.5 [0.1]	N/A	N/A	10 [2.8]	3.1
Intermittent 25%	16 [4.5]	8 [2.2]	3 [0.8]	1.5 [0.4]	N/A	N/A	18 [5.0]	7.9
Intermittent 10% ³	25 [7]	16.5 [4.6]	8 [2.2]	5.5 [1.5]	2.5 [0.7]	1 [0.3]	32 [8.9]	23.6
Pulse 1% ³	36 [10]	26 [7.2]	17 [4.7]	13 [3.6]	8 [2.2]	3 [0.8]	N/A	75.3

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

A490-367460-24D



www.kelcoind.com

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

