

DC Tubular Push Solenoid

Model TP4x16



1425 Lake Avenue, Woodstock, IL 60098

Features:

High performance construction
Available return spring kit
DC applications only
See T4x16 for pull applications
RoHS Compliant
UL Recognized
Coil Termination: 6.5" Wire leads
26 AWG (standard)

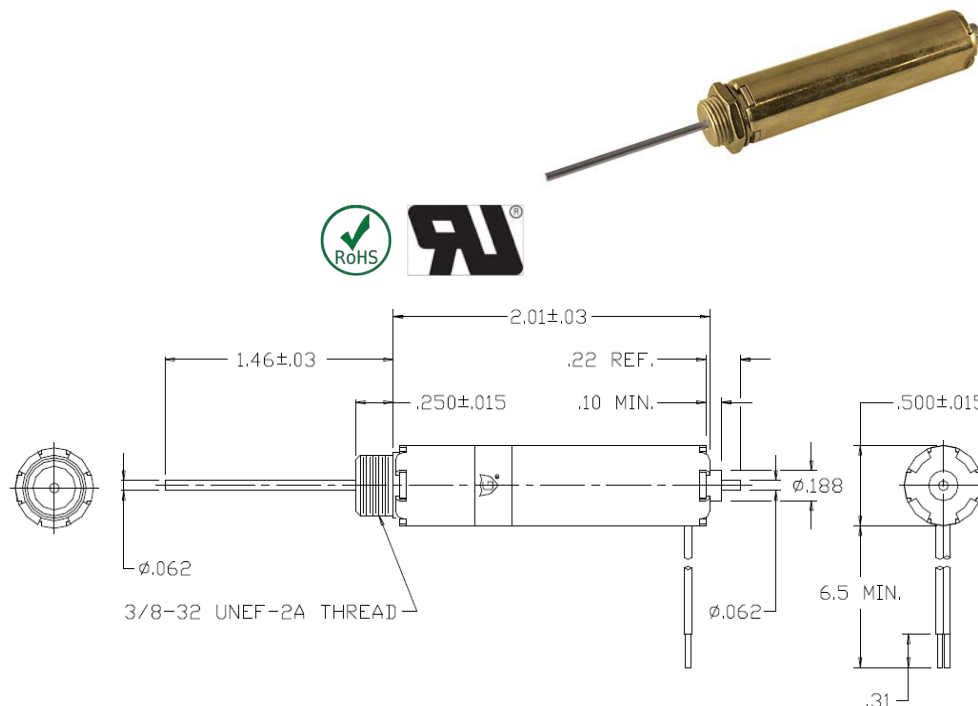
Electrical:

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: 2" (L) x 0.5" (D)
Plunger Diameter: 0.062"
Plunger Guide Material: Plastic
Mounting: Hex Nut
Weight: Plunger 0.4 oz, Total 1.4 oz
Life Expectancy: 1 Million Cycles¹

¹ - Dependent on load conditions



Standard Part Numbers

Model	Part Number	Duty Cycle	Voltage	Resistance ² (Ω)	Power (W)	Current
TP4x16-C-12	A420-066083-00	Cont.	12VDC	45.1	3.4	266 mA
TP4x16-I-12	A420-066084-00	Inter.	12VDC	17.7	8.5	678 mA
TP4x16-C-24	A420-066085-00	Cont.	24VDC	173	3.5	139 mA
TP4x16-I-24	A420-066086-00	Inter.	24VDC	72.7	8.3	330 mA

² - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles

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

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 Push Force Ounces [N] @ 20°C (68°F) (Distance from fully extended position)								HOLDING FORCE Ounces [N]	Power (W)
Stroke (in.)	0.050	0.125	0.250	0.375	0.500	0.625	0.750		
Continuous 100%	4 [1.1]	2.5 [0.7]	1 [0.3]	N/A	N/A	N/A	N/A	6.5 [1.8]	3.4
Intermittent 25%	6.5 [1.8]	3 [0.8]	2 [0.6]	N/A	N/A	N/A	N/A	22 [6.1]	8.5
Intermittent 10% ³	13.5 [3.8]	7.5 [2.1]	4.5 [1.3]	3.5 [1]	2 [0.6]	0.5 [0.1]	N/A	44 [12.2]	24.3
Pulse 1% ³	22.5 [6.3]	13.5 [3.8]	8.5 [2.4]	6.5 [1.8]	4 [1.1]	2 [0.6]	0.5 [0.1]	N/A	78.2

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

A490-367460-14



www.Kelcoind.com

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

