

DC Frame Solenoid

Model 2



1425 Lake Avenue, Woodstock, IL 60098

Features:

- Available return spring kit
- AC & DC Applications (See Model 2 AC)
- RoHS Compliant
- UL Recognized
- Coil Termination: 3/16" QC terminals

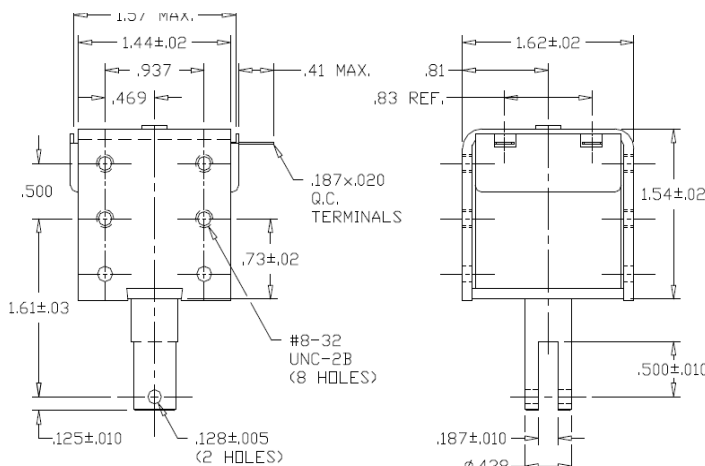
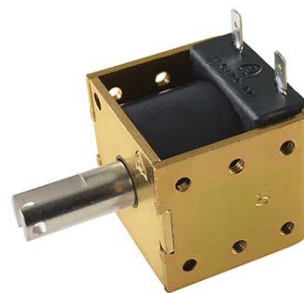
Electrical:

- Coil Voltages: 6, 12, 24, 48, 110VDC standard
- Duty Cycle: 100% Continuous, 25% Intermittent, 10% Intermittent, 1% Pulse
- Coil treatment: Plastic cover
- Insulation Class: Class A Rating - 105° C (221° F)
- Dielectric Strength: 1500V 60 Hz

Mechanical:

- Size: 1.54" (L) x 1.62" (W) x 1.57" (H)
- Plunger Diameter: 0.438"
- Plunger Guide Material: Plastic
- Mounting: 8 - #8-32 holes
- Weight: Plunger 1.1 oz, Total 9.5 oz
- Life Expectancy: 1 Million Cycles¹

¹ - Dependent on load conditions



Solenoid shown energized with plunger fully seated

Standard Part Numbers

Model No.	Part No.	Duty Cycle	Voltage	Resistance ² (Ω)	Power (W)	Current
2-C-12D	A420-065512-00	Cont.	12VDC	18.1	8.4	663 mA
2-I-12D	A420-065513-00	Inter. 25%	12VDC	5.8	26.1	2.07 A
2-C-24D	A420-065514-00	Cont.	24VDC	71	8.5	338 mA
2-I-24D	A420-065515-00	Inter. 25%	24VDC	22.6	26.8	1.06 A

² - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles

Available Customization:

- Plunger
- DC Voltage / Duty Cycle
- Coil 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	0.750	1.00			
Continuous 100%	95 [26.1]	48 [13.3]	15 [4.2]	8 [2.2]	4 [1.1]	2 [0.6]	1 [0.3]	N/A	145 [40.3]	8.5	
Intermittent 25%	125 [34.8]	93 [25.9]	70 [19.5]	32 [8.9]	20 [5.6]	20 [5.6]	15 [4.2]	10 [3.3]	181 [50.3]	26.5	
Intermittent 10% ³	190 [52.8]	150 [41.7]	115 [32]	90 [25]	70 [19.5]	35 [9.7]	25 [7]	20 [5.5]	230 [63.9]	79.3	
Pulse 1% ³	250 [69.5]	235 [65.3]	210 [58.4]	170 [47.3]	120 [33.4]	78 [21.7]	50 [13.9]	30 [8.3]	270 [75.1]	196.9	

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

A490-367461-00



www.kelcoind.com

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

