

DC Frame Solenoid

Model 22



1425 Lake Avenue, Woodstock, IL 60098

Features:

Available return spring kit
AC & DC Applications (See Model 22 AC)
RoHS Compliant
UL Recognized
Coil Termination: 3/16" QC terminals

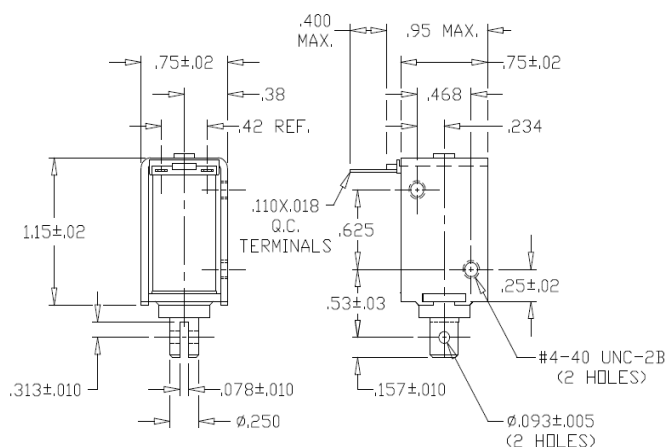
Electrical:

Coil Voltages: 6, 12, 24, 48, 110 VDC 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: 0.25"
Plunger Guide Material: Plastic
Mounting: 2 - #4-40 holes
Weight: Plunger .2 oz, Total 1.6 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
22-C-12D	A420-065802-00	Cont.	12VDC	45.7	3.3	263 mA
22-I-12D	A420-065803-00	Inter. 25%	12VDC	22.6	6.7	531 mA
22-C-24D	A420-065804-00	Cont.	24VDC	182	3.3	132 mA
22-I-24D	A420-065805-00	Inter. 25%	24VDC	93.2	6.5	258 mA

² - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles



Available Customization:

- Plunger
 - 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 seated position)						HOLDING FORCE Ounces [N]	Power (W)
Stroke (in.)	0.050	0.125	0.250	0.375	0.500		
Continuous 100%	11 [3.1]	3 [0.8]	2 [0.6]	1 [0.3]	N/A	39 [10.8]	3.3
Intermittent 25%	20 [5.6]	8 [2.2]	3 [0.8]	2 [0.6]	1 [0.3]	45 [12.5]	6.6
Intermittent 10% ³	35 [9.7]	24 [6.7]	12 [3.3]	9 [2.5]	5 [1.4]	50 [13.9]	41.5
Pulse 1% ³	51 [14.2]	42 [11.7]	28 [7.8]	22 [6.1]	14 [3.9]	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

A490-367461-07



www.Kelcoind.com

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

