

# AC Frame Solenoid

## Model 22



1425 Lake Avenue, Woodstock, IL 60098

### Features:

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

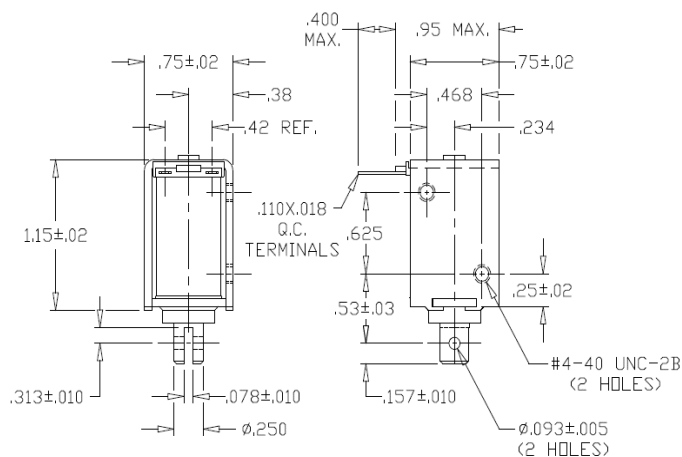
### Electrical:

Coil Voltages: 120, 240 VAC standard  
Duty Cycle: 100% Continuous, 20% Intermittent  
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 0.2 oz, Total 1.6 oz  
Life Expectancy: 1 Million Cycles<sup>1</sup>

<sup>1</sup> - Dependent on load conditions



Solenoid shown energized with plunger fully seated

### Standard Part Numbers

Model No.	Part No.	Duty Cycle	Voltage	Resistance <sup>2</sup> (Ω)	Power (W)	Current
22-C-120A	A420-065796-00	Cont.	120VAC	970	5.5	46 mA
22-I-120A	A420-065797-00	Inter. 20%	120VAC	576	9	75 mA
22-C-240A	A420-065798-00	Cont.	240VAC	3920	5.5	23 mA
22-I-240A	A420-065799-00	Inter. 20%	240VAC	2360	9	38 mA

<sup>2</sup> - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles



### Available Customization:

- Plunger
  - AC Voltage / Duty Cycle
  - Coil 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]
Stroke (in.)	0.125	0.250	0.375	0.500	
Continuous 100%	7 [1.9]	3 [0.8]	2 [0.6]	1 [0.3]	6 [1.7]
Intermittent 20%	8 [2.2]	5 [1.4]	3 [0.8]	2 [0.6]	7 [1.9]

Continuous Duty = 100% On Time

Intermittent Duty 20% = 20% On Time (4 Minutes On Max Followed By 16 Minutes Off)

Optional Return  
Spring Kit

A490-367462-07



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

