

# AC Frame Solenoid

## Model 4HD



1425 Lake Avenue, Woodstock, IL 60098

### Features:

- Available return spring kit
- AC & DC Applications (See Model 4HD DC)
- UL recognized
- RoHS Compliant
- Coil Termination: 3/16" QC terminals

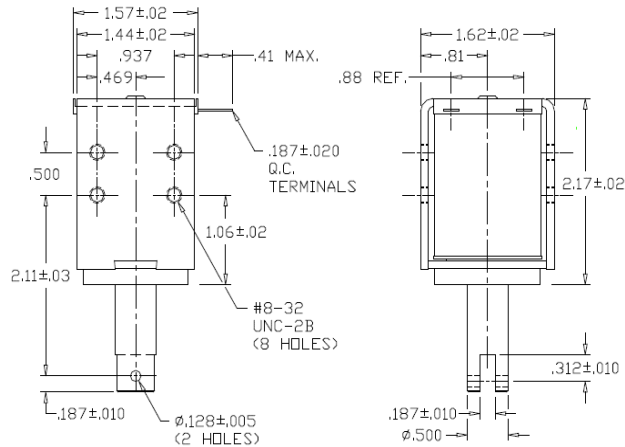
### Electrical:

- Coil Voltages: 120, 240 VAC standard
- Duty Cycle: 100% Continuous, 25% Intermittent, 10% Intermittent, 1% Intermittent
- Coil treatment: Plastic cover
- Insulation Class: Class A Rating - 105° C (221° F)
- Dielectric Strength: 1500V 60 Hz

### Mechanical:

- Size: 2.17" (L) x 1.57" (W) x 1.62" (H)
- Plunger Diameter: 0.50"
- Plunger Guide Material: Plastic
- Mounting: 8 - #8-32 holes
- Weight: Plunger 2.4 oz, Total 14.1 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
4HD-C-120A	A420-065426-00	Cont.	120VAC	73	31	258 mA
4HD-I-120A	A420-065427-00	Inter. 25%	120VAC	19.3	171	1.4 A
4HD-C-240A	A420-065428-00	Cont.	240VAC	292	31	129 mA
4HD-I-240A	A420-065429-00	Inter. 25%	240VAC	77	171	713 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

Stroke (in.)	Typical Pull Force Ounces [N] @ 20°C (68°F) (Distance from fully seated position)							HOLDING FORCE Ounces [N]
	0.125	0.250	0.375	0.500	0.625	0.750	1.000	
Continuous 100%	20 [5.6]	18 [5]	18 [5]	20 [5.6]	22 [6.1]	24 [6.7]	24 [6.7]	80 [22.2]
Intermittent 25%	70 [19.5]	60 [16.7]	60 [16.7]	66 [18.3]	75 [20.9]	75 [20.9]	66 [18.3]	135 [37.5]

Continuous Duty = 100% On Time  
Intermittent Duty 25% = 25% On Time (5 Minutes On Max Followed By 15 Minutes Off)

Optional Return Spring Kit

A490-367462-04



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

