

AC Frame Solenoid

Model 3HD



1425 Lake Avenue, Woodstock, IL 60098



Features:

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

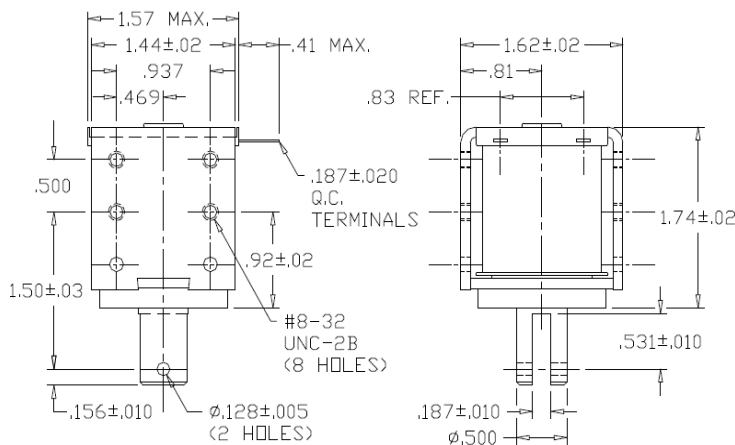
Electrical:

- Coil Voltages: 120, 240 VAC standard
- Duty Cycle: 100% Continuous, 20% Intermittent, 10% 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: 0.50"
- Plunger Guide Material: Plastic
- Mounting: 8 - #8-32 holes
- Weight: Plunger 1.5 oz, Total 10.7 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
3HD-C-120A	A420-065916-00	Cont.	120VAC	100	20	167 mA
3HD-I-120A	A420-065917-00	Inter. 20%	120VAC	23	103	858 mA
3HD-C-240A	A420-065918-00	Cont.	240VAC	400	20	83 mA
3HD-I-240A	A420-065919-00	Inter. 20%	240VAC	100	103	429 mA

² - 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%	26 [7.2]	23 [6.4]	22 [6.1]	21 [5.8]	18 [5]	14 [3.9]	7 [1.9]	43 [12]
Intermittent 20%	88 [24.5]	75 [20.9]	70 [19.5]	66 [18.3]	54 [15]	40 [11.1]	8 [2.2]	88 [24.5]

Optional Return Spring Kit

A490-367462-02

Continuous Duty = 100% On Time
Intermittent Duty 20% = 20% On Time (4 Minutes On Max Followed By 16 Minutes Off)



www.kelcoind.com

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

