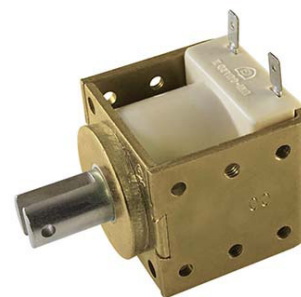
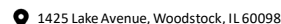


## Model 3HD

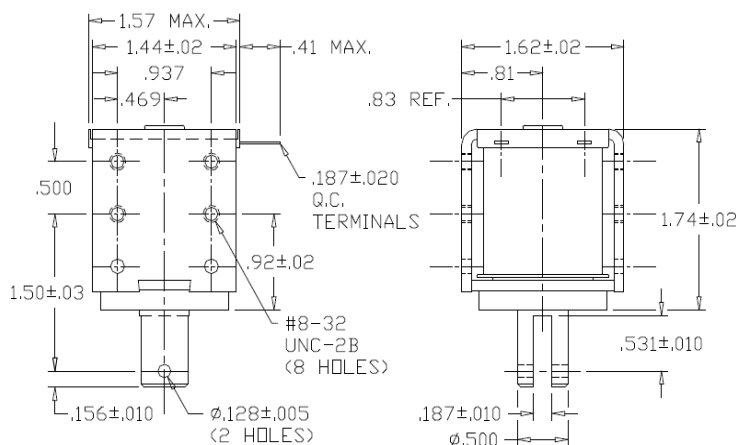


Available return spring kit  
AC & DC Applications (See Model 3HD DC)  
UL recognized  
RoHS Compliant  
Coil Termination: 3/16" QC terminals



Coil Voltages: 120, 240 VAC standard  
Duty Cycle: 100% Continuous, 20% Intermittent,  
10% Intermittent, 1% Intermittent  
Coil treatment: Plastic cover  
Insulation Class: Class A Rating - 105° C (221° F)  
Dielectric Strength: 1500V 60 Hz

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



Solenoid shown energized with plunger fully seated

Model No.	Part No.	Duty Cycle	Voltage	Resistance <sup>2</sup> (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  $\pm 5\%$ 

Contact us for custom voltages or duty cycles

- 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	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]

Continuous Duty = 100% On Time

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

### Optional Return Spring Kit

A490-367462-02



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

