

AC Frame Solenoid

Model 24



1425 Lake Avenue, Woodstock, IL 60098

Features:

Available return spring kit
AC & DC Applications (See Model 24 DC)
UL recognized
RoHS Compliant
Coil Termination: 3/16" QC terminals

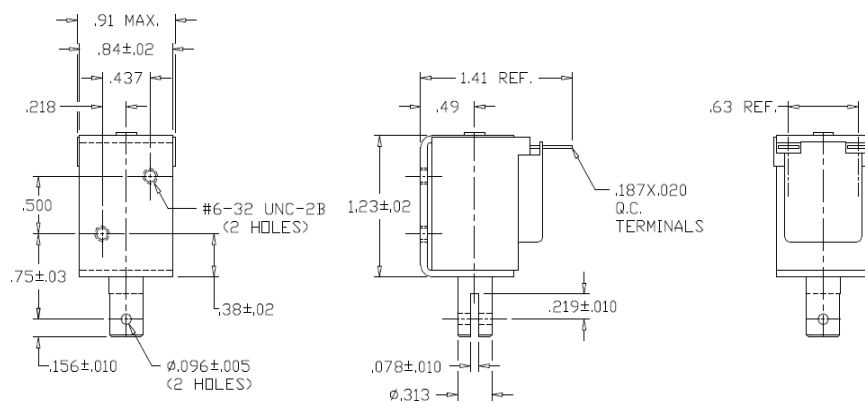
Electrical:

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: 1.23" (L) x 0.91" (W) x 1.11" (H)
Plunger Diameter: 0.313"
Plunger Guide Material: Plastic
Mounting: 2 - #6-32 holes
Weight: Plunger 0.5 oz, Total 2.4 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
24-C-120A	A420-065816-00	Cont.	120VAC	500	7.5	63 mA
24-I-120A	A420-065817-00	Inter. 20%	120VAC	310	14	117 mA
24-C-240A	A420-065818-00	Cont.	240VAC	2000	7.5	31 mA
24-I-240A	A420-065819-00	Inter. 20%	240VAC	1240	14	58 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

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	
Continuous 100%	8 [2.2]	6 [1.7]	5 [1.4]	4 [1.1]	2 [0.6]	1 [0.3]	20 [5.6]
Intermittent 20%	14 [3.9]	10 [2.8]	8 [2.2]	6 [1.7]	4 [1.1]	2 [0.6]	23 [6.4]

Continuous Duty = 100% On Time

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

Optional Return Spring Kit

A490-367462-08



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

