

AC Frame Solenoid

Model 28P



1425 Lake Avenue, Woodstock, IL 60098

Features:

Available return spring kit
AC & DC Applications (See Model 28P AC)
UL Recognized
RoHS Compliant
Coil Termination: 3/16" QC terminals

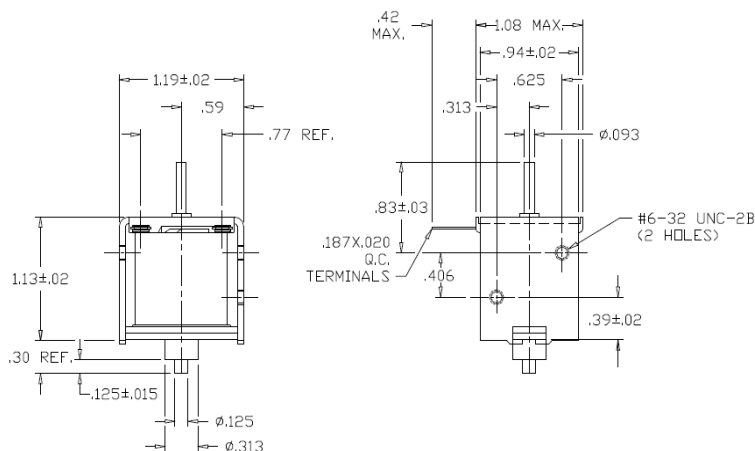
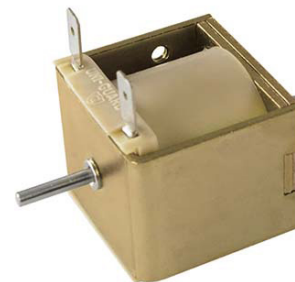
Electrical:

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: 1.13" (L) x 1.08" (W) x 1.19" (H)
Plunger Diameter: 0.313"
Plunger Guide Material: Plastic
Mounting: 2 - #6-32 holes
Weight: Plunger 0.5 oz, Total 3.5 oz
Life Expectancy: 1 Million Cycles¹

¹ - Dependent on load conditions



Solenoid shown energized with plunger fully seated in extended position

Standard Part Numbers

Model No.	Part No.	Duty Cycle	Voltage	Resistance ² (Ω)	Power (W)	Current
28P-C-120A	A420-065586-00	Cont.	120VAC	400	8	67 mA
28P-I-120A	A420-065587-00	Inter. 20%	120VAC	220	22	183 mA
28P-C-240A	A420-065588-00	Cont.	240VAC	1600	8	33 mA
28P-I-240A	A420-065589-00	Inter. 20%	240VAC	900	22	92 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 Push Force Ounces [N] @ 20°C (68°F) (Distance from fully extended position)					HOLDING FORCE Ounces [N]
Stroke (in.)	0.125	0.250	0.375	0.500	
Continuous 100%	11 [3.1]	8 [2.2]	6 [1.7]	4 [1.1]	13 [3.6]
Intermittent 20%	18 [5]	14 [3.9]	9 [2.5]	5 [1.4]	15 [4.2]

Continuous Duty = 100% On Time

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

Optional Return
Spring Kit

A490-367462-00



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

