DC Frame Solenoid

SUARDIAN

Model 22

Features:

Available return spring kit AC & DC Applications See Model 22 AC UL recognized

Electrical:

Coil Voltages: 6, 12, 24, 48, 110 VDC standard Coil Termination: 3/16" QC terminals Duty Cycle: 100% Continuous, 25% Intermittent, 10% Intermittent, 1% Pulse

Coil treatment: Plastic cover

Insulation Class: Class A Rating - 105° C (221° F)

Dielectric Strength: 1500V 60 Hz

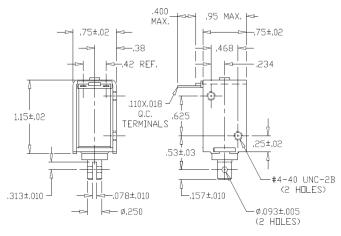
Mechanical:

Size: 1.54" (L) x 1.62" (W) x 1.57" (H) Plunger Diameter: 0.25" Plunger Guide Material: Plastic Mounting: 2 - #4-40 holes Weight: Plunger .2 oz, Total 1.6 oz Life Expectancy: 1 Million Cycles 1

 $^{\mathrm{1}}$ - 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 | |
|-----------|----------------|------------|---------|------------------------------------|--------------|---------|--|
| 22-C-12D | A420-065802-00 | Cont. | 12VDC | 45.7 | 3.3 | 263 mA | |
| 22-l-12D | A420-065803-00 | Inter. 25% | 12VDC | 22.6 | 6.7 | 531 mA | |
| 22-C-24D | A420-065804-00 | Cont. | 24VDC | 182 | 3.3 | 132 mA | |
| 22-l-24D | A420-065805-00 | Inter. 25% | 24VDC | 93.2 | 6.5 | 258 mA | |

2 - Coil resistance tolerance +/- 5%

Contact us for custom voltages or duty cycles

Available Customization:

- Plunger
- DC Voltage
- **Duty Cycle**
- Insulation systems up to class H 180° C (356° F)
- Minimum quantities apply

| Туј | HOLDING FORCE | Power (W) | | | | | |
|-------------------------------|------------------|--------------|----------|----------|----------|------------|-------|
| Stroke (in.) | 0.050 | 0.125 | 0.250 | 0.375 | 0.500 | Ounces [N] | |
| Continuous 100% | 11 [3.1] | 3 [0.8] | 2 [0.6] | 1 [0.3] | N/A | 39 [10.8] | 3.3 |
| Intermittent 25% | 20 [5.6] | 8 [2.2] | 3 [0.8] | 2 [0.6] | 1 [0.3] | 45 [12.5] | 6.6 |
| Intermittent 10% ³ | 35 [9.7] | 24 [6.7] | 12 [3.3] | 9 [2.5] | 5 [1.4] | 50 [13.9] | 41.5 |
| Pulse 1%³ | 51 [14.2] | 42 [11.7] | 28 [7.8] | 22 [6.1] | 14 [3.9] | N/A | 102.3 |

Continuous Duty 100% = 100% On Time

Intermittent Duty 25% = 25% On Time (100 Seconds On Max Followed By 300 Seconds Off) Intermittent Duty 10% = 90% On Time (10 Seconds On Max Followed By 90 Seconds Off)











Optional Return Spring Kit

A490-367461-07

