



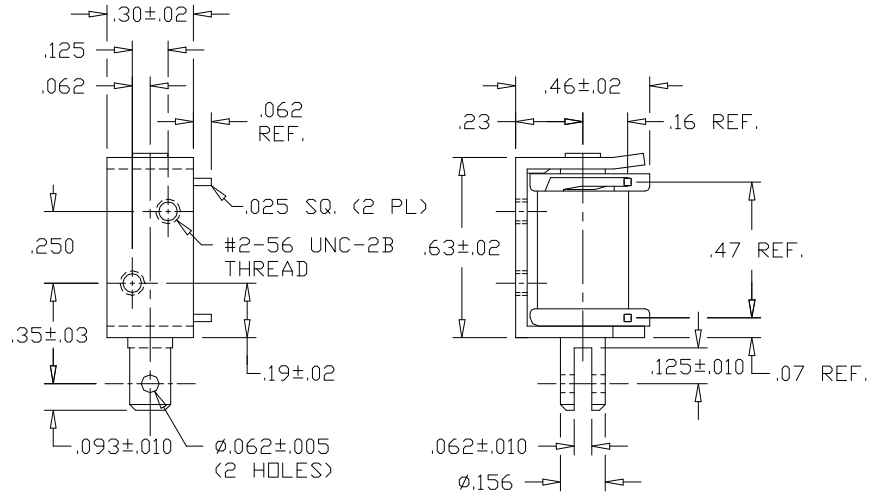
**GUARDIAN**  
Electric Manufacturing

**ISO 9001 / AS9100 Certified Company**

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Or visit us at our website [www.guardian-electric.com](http://www.guardian-electric.com)

## Model 42 DC Frame Solenoid



Solenoid shown energized and fully seated.

Total Weight: .25 oz.

Plunger Weight: .02 oz.

| Model No. | Part No.       | Duty Cycle   | Voltage | Resistance ( $\Omega$ ) | Power (W) | Current (mA) |
|-----------|----------------|--------------|---------|-------------------------|-----------|--------------|
| 42-I-12D  | A420-066613-00 | Intermittent | 12VDC   | 83.7                    | 1.8       | 143          |
| 42-C-12D  | A420-066612-00 | Continuous   | 12VDC   | 106                     | 1.4       | 113          |
| 42-I-24D  | A420-066615-00 | Intermittent | 24VDC   | 297                     | 2         | 81           |
| 42-C-24D  | A420-066614-00 | Continuous   | 24VDC   | 412                     | 1.5       | 58           |

When ordering, please refer to Part No., as listed above.

Consult factory for custom configurations.

| Pull Force (oz.)  |       |       |       |       |       |       |       |       | Holding Force (oz.) |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|
| Stroke (in.)      | 0.050 | 0.125 | 0.250 | 0.375 | 0.500 | 0.625 | 0.750 | 1.000 | -                   |
| Continuous Duty   | 0.4   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a   | 4                   |
| Intermittent Duty | 0.6   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a   | n/a   | 3.5                 |

### UL Recognition

Recognized under the   
Component Recognition Program of  
**Underwriters Laboratories, Inc.**

### Continuous Duty

100% 'On' Time

### Intermittent Duty

25% 'On' Time, (100 Seconds 'On' Max.  
Followed By 300 Seconds 'Off' Min.)

### RoHS

These parts comply with **RoHS** Directive 2002/95/EC