



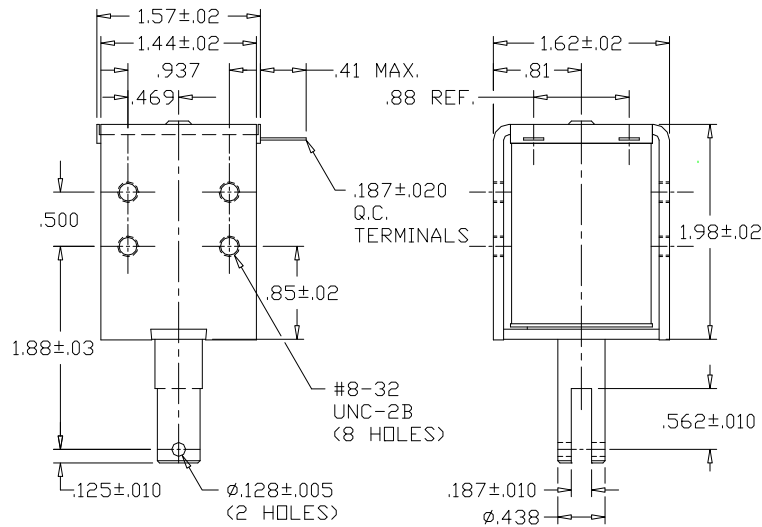
**GUARDIAN**  
Electric Manufacturing

**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 4 DC Frame Solenoid



Solenoid shown energized and fully seated.

Spring kits are available (consult factory).

Total Weight: 12.6 oz.

Plunger Weight: 1.6 oz.

| Model No. | Part No.       | Duty Cycle   | Voltage | Resistance ( $\Omega$ ) | Power (W) | Current |
|-----------|----------------|--------------|---------|-------------------------|-----------|---------|
| 4-I-12D   | A420-065943-00 | Intermittent | 12VDC   | 3.96                    | 38.2      | 3.03 A  |
| 4-C-12D   | A420-065942-00 | Continuous   | 12VDC   | 15.8                    | 9.6       | 759 mA  |
| 4-I-24D   | A420-065945-00 | Intermittent | 24VDC   | 15.8                    | 38.3      | 1.52 A  |
| 4-C-24D   | A420-065944-00 | Continuous   | 24VDC   | 61.3                    | 9.9       | 392 mA  |

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   | 100   | 60    | 20    | 14    | 9     | 5     | 3     | 1     | 155                 |
| Intermittent Duty | 140   | 112   | 97    | 60    | 40    | 27    | 22    | 20    | 181                 |

### 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