## DC Frame Solenoid

Coil Voltages: 6, 12, 24, 48, 110 VDC standard

Duty Cycle: 100\% Continuous, 25\% Intermittent, 10\% Intermittent, 1\% Pulse

Insulation Class: Class A Rating - $105^{\circ} \mathrm{C}\left(221^{\circ} \mathrm{F}\right)$

## Features:

Available return spring kit AC \& DC Applications

See Model 22 AC
UL recognized

## Electrical:

Coil Termination: 3/16" QC terminals

Coil treatment: Plastic cover

Dielectric Strength: 1500 V 60 Hz

## Mechanical:

Size: $1.54^{\prime \prime}(\mathrm{L}) \times 1.62^{\prime \prime}(\mathrm{W}) \times 1.57^{\prime \prime}(\mathrm{H})$
Plunger Diameter: $0.25^{\prime \prime}$
Plunger Guide Material: Plastic
Mounting: 2 - \#4-40 holes
Weight: Plunger .2 oz , Total 1.6 oz
Life Expectancy: 1 Million Cycles ${ }^{1}$
${ }^{1}$ - Dependent on load conditions

(2 HOLES)

## Standard Part Numbers

| Model No. | Part No. | Duty Cycle | Voltage | Resistance <br> $(\Omega)$ | Power <br> $(\mathrm{W})$ | Current |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 22-C-12D | A420-065802-00 | Cont. | 12VDC | 45.7 | 3.3 | 263 mA |
| 22-I-12D | A420-065803-00 | Inter. $25 \%$ | 12VDC | 22.6 | 6.7 | 531 mA |
| 22-C-24D | A420-065804-00 | Cont. | 24 VDC | 182 | 3.3 | 132 mA |
| 22-I-24D | A420-065805-00 | Inter. $25 \%$ | 24 VDC | 93.2 | 6.5 | 258 mA |

2- Coil resistance tolerance $+/-5 \%$
Contact us for custom voltages or duty cycles

| Typical Push Force Ounces [N] @ 20          <br> $\mathrm{C}\left(68^{\circ} \mathrm{F}\right)$        HOLDING <br> (Distance from fully seated position) Power <br> FORCE <br> (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 |

Optional Return Spring Kit

A490-367461-07

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)
Pulse Duty $1 \%=99 \%$ On Time ( 1 Second On Max Followed By 99 Seconds Off)
${ }^{3}$ - Calculated force values to be verified in application


