# Modulating Actuator Motor 

## DMA Series

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## UL Recognized

- UL File \# E142163
- UL 873
- CSA C22.2 No. 24-93


## CSA Certified

- CSA File \# 1378915
- UL 429
- CSA C22.2 \#139


## Compliant to the EU Low Voltage and EMC Directive

## US and Canadian Models

- DMA 6B120
- DMA 12B120
- DMA 30B120


## Commonwealth of Massachusetts Approved Product

- Approval code G1-1107-35
- Actuator Drive for Gas Butterfly valve.


## Codes and Standards:

This product is intended for installations covered by but not limited to NFPA 86, ANSI Z83.4/ CSA 3.7, ANSI Z83.18/ CSA 4.9, ANSI Z21.13,
CSD-1, UL 795, or CSA B149.3.

DUNGS is an ISO 9001
manufacturing facility.

| Specifications |  |  |  |
| :---: | :---: | :---: | :---: |
| Type | DMA 6B120 | DMA 12B120 | DMA 30B120 |
| Operating time for $90^{\circ}$ stroke | 6 s | 12s | 30 s |
| Resolution (max) | 0.08 mA resolution; minimum of $0.45^{\circ}$ per step |  |  |
| Electrical ratings | $\begin{aligned} & 110-120 \text { VAC } \\ & 50-60 \mathrm{~Hz} \end{aligned}$ |  |  |
| Power rating | Holding: max. 2.0 VA Operation: max. 5.4 VA |  |  |
| Enclosure rating | NEMA 1 (NEMA 4 option) |  |  |
| Electrical connection | Screw terminals with 1/2" NPT conduit connection |  |  |
| Operation time | 100 \% duty cycle |  |  |
| Ambient temperature rating | $\begin{aligned} & +15^{\circ} \mathrm{F} \text { to }+120^{\circ} \mathrm{F} \\ & \left(-10^{\circ} \mathrm{C} \text { to } 50^{\circ} \mathrm{C}\right) \end{aligned}$ |  |  |
| Limit Switches (ST) | Two field adjustable switches: min and max: limit stroke of actuator. |  |  |
| Auxiliary Switch (MV) | One SPDT, field adustable switch. 10.5 A resistive, 10.5 A FLA, 9 A LRA @ 120 Vac |  |  |
| Operating mode | Automatic |  |  |
| Input Control | 4 to $20 \mathrm{~mA}, 30 \mathrm{~mA}$ max. |  |  |
| Position Feedback/Output (for slave actuating or actual shaft position verification) | 4 to 20 mA ;max impedance for output is 500 Ohm. |  |  |
| Holding Torque | $6 \mathrm{~s}(12.4 \mathrm{in}-\mathrm{lb})$ | 12 s (24.8 in-lb) | 30 s (26.5 in-lb) |
| Operating Torque | 6 s (5.3 in-lb) | 12 s (8.9 in-lb) | 30 s (17.7 in-lb) |
| Mounting Position | Multipoised |  |  |
| Weight | $1.21 \mathrm{lbs}(0.5 \mathrm{~kg}$ ) |  |  |
| Direction of Rotation | Counterclockwise |  |  |



Actuator operation (view from bottom of DMA)

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Dimensions inch (mm)

Type Order No.

DMA 6B120*
DMA 12B120
DMA 30B120

NEMA 4 metal enclosure option

## Order No.

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46050-1
46050-2
46050-3
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240-456

* Special Order. Minimum quantities may apply.

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