

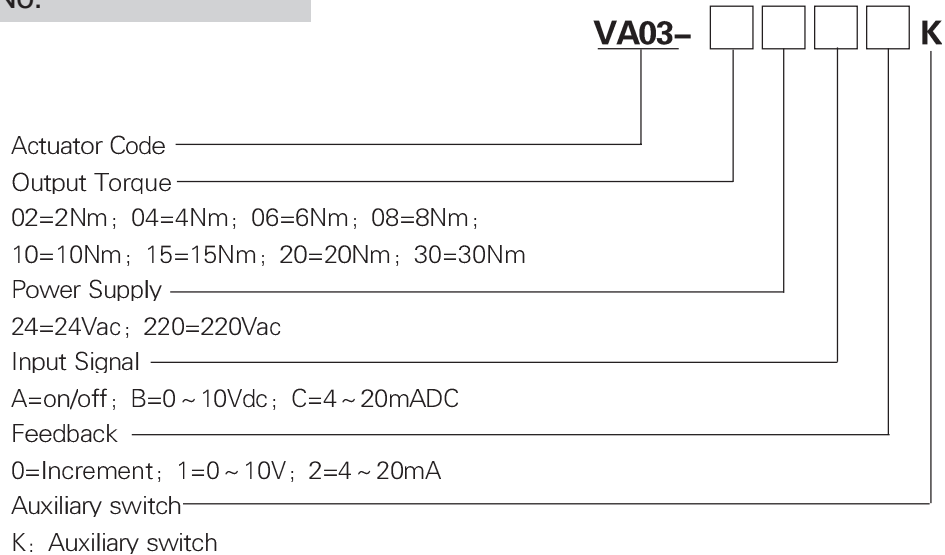
VA03 Damper Actuator

General

VA03 series damper actuators are designed to control air dampers, ventilation flaps, air handler, louver and VAV units. There are two types of the actuators: ON / Off and modulating.



Part No.



Specifications

| | | | |
|--------------------|----------------------|----------------------|--|
| Power supply: | 24Vac / 220Vac ± 10% | Power Consumption: | 3VA-7.5VA |
| Torque : | 2Nm-30Nm | Control Type: | On / Off, 0-10Vdc or 4-20mA |
| Operation Time: | 66s~166s | Rotate Angle: | 0-95° (Mechanical limitation at 95°) |
| Life Time: | 60000 Full stroke | Ambient Temperature: | -30-65 °C |
| Protection class : | IP40 | Noise Level : | 45dB(A) |

Features

- Bi-directional magnetic clutch synchronous motor
- Room overload protection function does not need limiter switch
- Actuator stops automatically when running to the end
- Adjustable mechanical limiter
- 1~2 auxiliary switches are selectable based on customer requirement

Order Guide

| Model | Power | Torque | Power Consumption | Operation Time | Control Signal | Feedback |
|-----------------|-----------------|--------|-------------------|----------------|----------------|------------|
| VA03-0224B0(K) | 24VAC \pm 10% | 2Nm | 4VA | 110s | 0 ~ 10VDC | — |
| VA03-0424B0(K) | 24VAC \pm 10% | 4Nm | 4VA | 110s | 0 ~ 10VDC | — |
| VA03-0624B0(K) | 24VAC \pm 10% | 6Nm | 4VA | 110s | 0 ~ 10VDC | — |
| VA03-0824B0(K) | 24VAC \pm 10% | 8Nm | 4VA | 160s | 0 ~ 10VDC | — |
| VA03-0224C0(K) | 24VAC \pm 10% | 2Nm | 4VA | 110s | 4 ~ 20mADC | — |
| VA03-0424C0(K) | 24VAC \pm 10% | 4Nm | 4VA | 110s | 4 ~ 20mADC | — |
| VA03-0624C0(K) | 24VAC \pm 10% | 6Nm | 4VA | 110s | 4 ~ 20mADC | — |
| VA03-0824C0(K) | 24VAC \pm 10% | 8Nm | 4VA | 160s | 4 ~ 20mADC | — |
| VA03-1024B0(K) | 24VAC \pm 10% | 10Nm | 7.5VA | 66s | 0 ~ 10VDC | — |
| VA03-1524B0(K) | 24VAC \pm 10% | 15Nm | 7.5VA | 90s | 0 ~ 10VDC | — |
| VA03-2024B0(K) | 24VAC \pm 10% | 20Nm | 7.5VA | 110s | 0 ~ 10VDC | — |
| VA03-3024B0(K) | 24VAC \pm 10% | 30Nm | 7.5VA | 143s | 0 ~ 10VDC | — |
| VA03-1024C0(K) | 24VAC \pm 10% | 10Nm | 7.5VA | 66s | 4 ~ 20mADC | — |
| VA03-1524C0(K) | 24VAC \pm 10% | 15Nm | 7.5VA | 90s | 4 ~ 20mADC | — |
| VA03-2024C0(K) | 24VAC \pm 10% | 20Nm | 7.5VA | 110s | 4 ~ 20mADC | — |
| VA03-3024C0(K) | 24VAC \pm 10% | 30Nm | 7.5VA | 143s | 4 ~ 20mADC | — |
| VA03-0224B1 (K) | 24VAC \pm 10% | 2Nm | 4VA | 110s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-0424B1(K) | 24VAC \pm 10% | 4Nm | 4VA | 110s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-0624B1(K) | 24VAC \pm 10% | 6Nm | 4VA | 110s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-0824B1(K) | 24VAC \pm 10% | 8Nm | 4VA | 160s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-0224C1 (K) | 24VAC \pm 10% | 2Nm | 4VA | 110s | 4 ~ 20mADC | 0 ~ 10V DC |
| VA03-0424C1(K) | 24VAC \pm 10% | 4Nm | 4VA | 110s | 4 ~ 20mADC | 0 ~ 10V DC |
| VA03-0624C1(K) | 24VAC \pm 10% | 6Nm | 4VA | 110s | 4 ~ 20mADC | 0 ~ 10V DC |
| VA03-0824C1(K) | 24VAC \pm 10% | 8Nm | 4VA | 160s | 4 ~ 20mADC | 0 ~ 10V DC |
| VA03-1024B1(K) | 24VAC \pm 10% | 10Nm | 7.5VA | 66s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-1524B1(K) | 24VAC \pm 10% | 15Nm | 7.5VA | 90s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-2024B1(K) | 24VAC \pm 10% | 20Nm | 7.5VA | 110s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-3024B1(K) | 24VAC \pm 10% | 30Nm | 7.5VA | 143s | 0 ~ 10VDC | 0 ~ 10V DC |
| VA03-1024C1(K) | 24VAC \pm 10% | 10Nm | 7.5VA | 66s | 4 ~ 20mADC | 0 ~ 10V DC |
| VA03-1524C1(K) | 24VAC \pm 10% | 15Nm | 7.5VA | 90s | 4 ~ 20mADC | 0 ~ 10V DC |
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| VA03-3024C1(K) | 24VAC \pm 10% | 30Nm | 7.5VA | 143s | 4 ~ 20mADC | 0 ~ 10V DC |