Zoning and controls · Actuators

F03 damper actuator, 24 VAC

A compact actuator for motorised zone dampers. It can stop and hold at any point between open and closed, so each zone gets the right amount of air. Slow 1 RPM travel keeps it quiet and easy on the damper.

Part numbers

Part number	Description	Size (mm)	Unit
AS-ACT-F03-24	F03 damper actuator, 24 VAC	72 × 120 × 62 mm	Each

Key specifications

Supply voltage	24 VAC ±10%, 50 Hz
Running torque	3.9 N·m (40 kgf·cm) minimum
Output speed	1 RPM (90° in about 15 s)
Control	3-wire floating, holds any position

Electrical

Operating voltage	24 VAC ±10%, 50 Hz
No-load current	0.25 A maximum
No-load power	5 W maximum
Rated capacitor	10 µF
Insulation class	Class E
Insulation resistance	100 MΩ minimum
Dielectric strength	500 VAC, 50 Hz, 1 second

Mechanical

Output speed	1 RPM
Rotation	Clockwise and counter-clockwise, 90° travel
Running torque	3.9 N·m (40 kgf·cm) minimum
Start torque	3.9 N·m (40 kgf·cm) minimum
Stall torque	4.4 N·m (45 kgf·cm) maximum
Output shaft	6 × 6 mm square
Axial play	0.5 mm maximum
Backlash (no load)	5° maximum

Specifications may change without notice. Confirm details for your project with Austra Supply before ordering.

Physical and connection

Dimensions (W × H × D)	72 × 120 × 62 mm, including mounting lugs
Noise at 1 m	45 dB(A) maximum
Connector	RJ11 6P6C socket
Control signal	3-wire floating: open, neutral, close
Housing colour	Green

Environment

Operating temperature	–10 °C to +45 °C
Operating humidity	10 to 90% RH, non-condensing

Overview

Most damper motors can only open or close. The F03 uses 3-wire floating control, so it stops wherever the control signal stops. This lets a zone run part open, which balances airflow between rooms and reduces noise at the grille. It delivers 3.9 N·m of running torque, which is enough to turn stiff or older dampers. At 1 RPM it takes about 15 seconds to travel 90°. Slow, even movement is quieter and puts less load on the damper blade.
The F03 works with all three of our zone controllers. It connects with a single six-core cable and a standard RJ11 plug, so no terminal wiring is needed at the actuator.

Typical applications

Ducted zoning in homes and apartments · Offices and small retail fit-outs · Adding zones to an existing system · Replacing open/close damper motors

Trade pricing: send part numbers and quantities to harjot@austrasupply.com or through austrasupply.com/contact.

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