AUTOMATED FENESTRATION INC

KCDM Series

DC chain actuator

Benefits

- Ideal for smart buildings; integrate with building and home automation systems.
- Certified for Smoke & Heat Extraction (SHE).

Applications

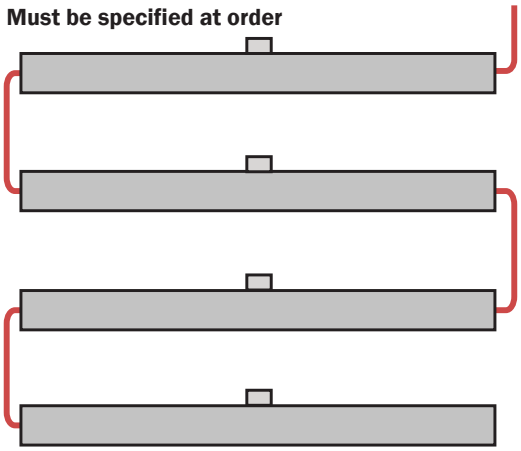
Awning windows, casement windows, hopper windows, curtain wall vents, and skylights.

KCDM Actuator Features

- KCDM actuators are medium to heavy duty operators, with compact casing and low noise operation.
- Push/Pull force: Up to 450N (99 ft-lb)
- Adjustable self-sealing relief
- Actuator has stainless steel chain for rigidity and durability; Chain is off-center in casing.
- Opening width: Up to 1000mm
- Available in Silver color (RAL colors available upon request)
- 10ft (3.1m) connection cable can be connected on either side
- Tested to 10,000 cycles

Tandem Capability

Must be specified at order



KCDM Series

Part #	Color	Stroke	Force (Push/Pull)
KCDM/400	Silver Grey	Up to 400mm	450N/450N
KCDM/600	Silver Grey	Up to 600mm	450N/450N
KCDM/800	Silver Grey	Up to 800mm	450N/450N
KCDM/1000	Silver Grey	Up to 1000mm	450N/450N

Connection Modules

Description
ModBus Control Module
Status Feedback Module (RWA)
24VDC Module

Specifications

Supply voltage	24VDC (-15% / +50%)
Nom. Current draw	Approx 1.2A at 450N load
Limit stop	(Open): Built in limit switch (Closed) Integrated electronic power cut-off
Chain stroke (approx)	21 to 400mm (13⁄16" to 15¾"), adjustable 21 to 600mm (13⁄16" to 23⅝"), adjustable 21 to 800mm (13⁄16" to 31½"), adjustable 21 to 1000mm (13⁄16" to 39⅜"), adjustable
Chain adjustment	Automatic adjustment
Push/Pull force (Max)	450N (99 ft-lb +/- 3%), adjustable
Clamping force (Max)	3000N (674 ft-lb +/- 3%) force needed to rip chain out of actuator case
Chain speed	5mm/sec
Dimensions	400mm stroke = 541 x 58 x 32mm (21⅜" x 2⅜" x 1¼") 600mm stroke = 582 x 58 x 32mm (23" x 2⅜" x 1¼") 800mm stroke = 652 x 58 x 32mm (25⅝" x 2⅜" x 1¼") 1000mm stroke = 722 x 58 x 32mm (28½" x 2⅜" x 1¼")
Power cable	10ft (3.1) meter cable
Run/Rest cycle	For every 60 sec running (on), must then rest (off) for 120 sec
Ambient Oper Temp	-10°C to +60°C (14°F to 140°F)
Listing	UL Recognized
Protection class	IP20
Case	Aluminum
Opening mechanism	Stainless steel chain, chain is off-centered in case

Interconnectors fit within actuator end cap.
Can be plugged into either side of the actuator.

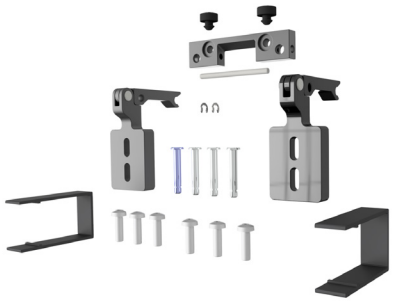
Discuss with AFI Sales & Support for your specific project/profile.

Mounting Bracket Options

Must be specified at order

BF/00/SW

BF/IO/SW



BS/IO/SW