

Series 19 CAV Failsafe Part Turn Electric Actuator Specification

PART 1: SCOPE

All requirements are for Series 19 CAV Failsafe Part Turn Electric Actuators.

PART 2: MATERIALS

- Stainless steel
- PC/PET
- PC
- BUNA-N
- Alloy steel

PART 3: SPECIFICATIONS

Model	Cycle Time / 90°	Mounting Configuration	Output Torque (in-lbs)	Duty Cycle	Amperage Draw
C20HM2FSW	10 seconds	F03/F04/F05x14	177	75%	0.18 Amps

- **Voltage:** Multi Voltage: 95-265 VAC 1PH 50/60Hz is standard, or 24VAC/VDC
- **Capacitor Discharge System:** Power source for fail position
- **Electrical Connection:** 2m cable with flying leads
- **Dry Auxiliary Contacts:** 2 SPST Form A relays rated at 0.5 Amps, typically used for position confirmation
- **Space Heater:** To maintain a constant internal temperature and limit internal condensation
- **Enclosure:** NEMA Type 4X w/ stainless steel trim
- **Maximum Ambient Temperature:** 150° F

3.1 Standard Features

- Reversing, brushless, DC motor
- 75% duty for high cycle applications
- Multi-voltage (95-265VAC or 24VAC/VDC)
- Integral capacitor discharge system
- Space heater to limit condensation
- Permanently lubricated steel gearing
- ISO mounting configuration
- Visual dome position indication
- LED position indication (red closed/green open)
- Manual override for loss of power
- General purpose NEMA Type 4X PC/PET enclosure
- 2SPST dry contacts for position confirmation
- QR code that links to user manual and wiring schematic
- CE compliant
- RoHS compliant

3.2 Approved Manufacturer

Series 19 CAV Failsafe Part Turn Electric Actuators shall be provided by Asahi/America, Inc. of Lawrence, MA. Manufacturer must be ISO-9001 certified.

PART 4: OPTIONS**4.1 Voltages**

Voltages, where required, shall be provided and factory installed by Asahi/America, Inc. in accordance with manufacturers requirements. Voltages shall be installed inside the actuator enclosure, and allow the actuator to operate with the required voltage. Available voltage option is 24VAC/VDC and 95-265 VAC.

4.2 Fail Position

Fail Open or Fail in Place, where required, shall be provided and factory installed by Asahi/America, Inc. in accordance with manufacturers requirements. Fail Open or Fail in Place shall be installed inside of the actuator enclosure and allow the actuator to Fail Open or Fail in Place upon loss of supply power.

PART 5: INSTALLATION PROCEDURES

Installation practices should follow all electrical codes and regulations, plant/jobsite codes and regulations, and be performed by adequately trained or licensed personnel. Installation practices should also follow all manufacturers guidelines, standards, and requirements set forth in Series 19 installation, operation and maintenance manuals. All accessories should be installed in accordance with the manufacturers requirements as well as any facility requirements.