

ME A003 | Open/Close/Jog/Mod

Overview, Specifications, Dimensional Data, Materials of Construction, Wiring Diagrams

Max Air Electric™

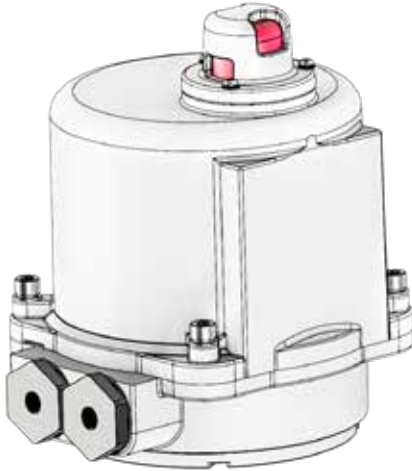
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ME A003 Series Open/Close/Jog/Modulating



Overview

The ME A003 Series are quarter-turn electric industrial service actuators delivering up to 310 in-lbs torque in voltages ranging from 12vdc up through, 230vac, and available in 2 position (Open/Close), Floating (Open/Close/Jog) or Modulating (4-20mA default or 2-10vdc) control schemes. (2) Form C auxiliary switches and an internal anti-condensate heater are standard. Key features include:

- 12v & 24v models operate on AC or DC power supplies.
- 120vac & 230vac models operate on 50 or 60Hz supplies.
- 3D Raised Position indicator
- ISO5211 compliant mounting with double-square drive socket
- Hex override shaft

Options

- Local Control Stations
- IP68 Submersion
- Battery Backup

Specifications

ME A003		
Supply	Torque Output (in-lb / Nm)	310 in-lb / 35Nm
12V	Starting Current - DC Amps	3.0A
	Running Current - DC Amps	2.1A
	Speed (90°) @DC, seconds @ rated load	22 sec
	Motor, Voltage, Type, Class	12VDC 2-Pole Brush, Class F
	Motor Power	10W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)
24V	Starting Current - DC Amps	2.0A
	Running Current - DC Amps	1.4A
	Speed (90°) @DC, seconds @ rated load	18 sec
	Motor, Voltage, Type, Class	24VDC 2-Pole Brush, Class F
	Motor Power	10W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)
120V	Starting Current - AC Amps	2.0A
	Running Current - AC Amps	0.7A
	Speed (90°) @60Hz, seconds @ rated load	12 sec
	Motor, Voltage, Type, Class	120VAC Split-Phase Cap Run TENV Class F
	Motor Power	10W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)
230V	Starting Current - AC Amps	3.0A
	Running Current - AC Amps	0.4A
	Speed (90°) @60Hz, seconds @ rated load	15 sec
	Motor, Voltage, Type, Class	230VAC Split-Phase Cap Run TENV Class F
	Motor Power	10W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)
ALL	Environmental Rating	NEMA 4/4X & IP67
	Electrical Entry	1/2" EMT x 2
	Control	Open/Close, Modulating, 2 Position, 3 Position
	Auxiliary Switch - End of Travel	(2) Form C Volt-Free, Shared Common, Rated 3A @ 250vac, 0.5A @ 30VDC
	Ambient Operating Range	-22°F~+149°F (-30°C~+65°C)
	Humidity Range	0-95% RH
	Altitude Limit	9850 ft / 3000 m
	Weight (kg / lbs)	2 kg / 4.4 lbs

* All Amperage and speed specifications based on Open/Close Standard Duty motors @ 40°C ambient.

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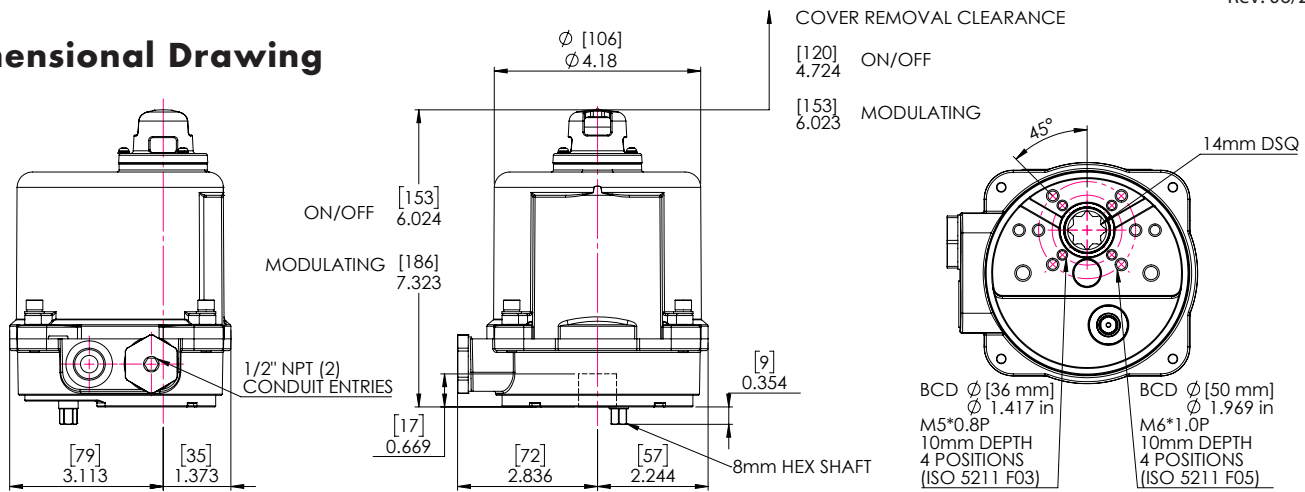
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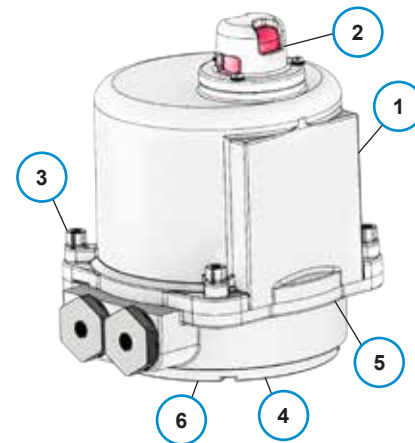
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Dimensional Drawing



Materials of Construction

#	DESCRIPTION	MATERIALS
1	IP67 Actuator Housing	ADC3 Aluminum Alloy
2	Indicator	ADC12 Cast Aluminum Shield Over Clear Polycarbonate
3	Captured Cover Screw	SUS304 Stainless Steel (Qty. 4)
4	Manual Override Shaft	SCM440 Carbon Steel
5	IP67 Cover Seal	NBR O-Ring
6	Main Output Gear	ASAE6140 Steel, Hardened

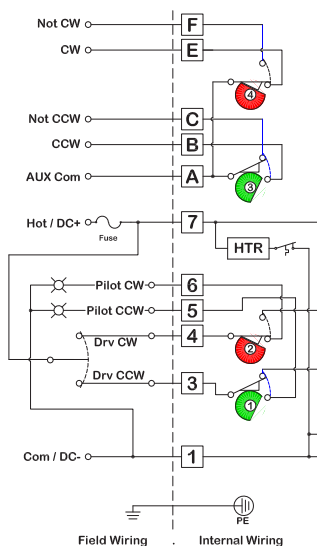


Wiring Diagrams

Typical wiring diagram shown.

Max-Air reserves the right to change specifications through a continuous-improvement program.
Contact Max-Air for product specific wiring diagrams prior to engineering or installation efforts.

Open/Close/Jog



Modulating

