

ME K400 | Open/Close/Jog/Mod

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

Max Air Electric™

Max-Air
TECHNOLOGY

Rev: 06/21/22



Website

ME K400 Series Open/Close/Jog/Modulating



Overview

The ME ME K400 Series are quarter-turn electric industrial service actuators delivering up to 40000 in-lbs torque in voltages ranging from 24vdc up through 480/3ph, and available in 2 position (Open/Close), Floating (Open/Close/Jog) or Modulating (4-20mA default or 2-10vdc) control schemes. Easy access mechanical travel stops. (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 round double-key socket
- Clutch-free manual override handwheel standard
- Torque Switches

Options

- Local Control Stations
- IP68 Submersion
- Battery Backup
- Chain Wheel Override
- Manual Override Lockout

Specifications

		ME K400
24V	Supply	Torque Output (in-lb / Nm)
		40000 in-lb / 4500Nm
		Starting Current - DC Amps
		50.0A
		Running Current - DC Amps
		15.5A
		Speed (90°) @DC, seconds @ rated load
120V		99 sec
		Motor, Voltage, Type, Class
		24VDC 2-Pole Brush, Class F
		Motor Power
		220W
		Duty Cycle
		100% (EN 60034) / Class A/B/C (ISO 22153)
230V		Starting Current - AC Amps
		15.0A
		Running Current - AC Amps
		3.7A
		Speed (90°) @60Hz, seconds @ rated load
		88 sec
		Motor, Voltage, Type, Class
ALL		120VAC Split-Phase Cap Run TENV Class F
		Motor Power
		220W
		Duty Cycle
		100% (EN 60034) / Class A/B/C (ISO 22153)
		Starting Current - AC Amps
		8.0A
ALL		Running Current - AC Amps
		2.5A
		Speed (90°) @60Hz, seconds @ rated load
		89 sec
		Motor, Voltage, Type, Class
		230VAC Split-Phase Cap Run TENV Class F
		Motor Power
ALL		220W
		Duty Cycle
		100% (EN 60034) / Class A/B/C (ISO 22153)
		Environmental Rating
		NEMA 4/4X & IP67
		Electrical Entry
		3/4" EMT x 2
ALL		Control
		Open/Close, Modulating, 2 Position, 3 Position
		Auxiliary Switch - End of Travel
		(2) Form C Volt-Free, Rated 10A @ 250vac, 5A @ 30VDC
		Ambient Operating Range
		-22°F~+149°F (-30°C~+65°C)
		Humidity Range
ALL		0-95% RH
		Altitude Limit
		9850 ft / 3000 m
ALL		Weight (kg / lbs)
		106 kg / 233.2 lbs

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

** Refer to 3 phase data sheets for 3 phase power.

File Name: Max-Air_DataSheet_ME-K400.pdf

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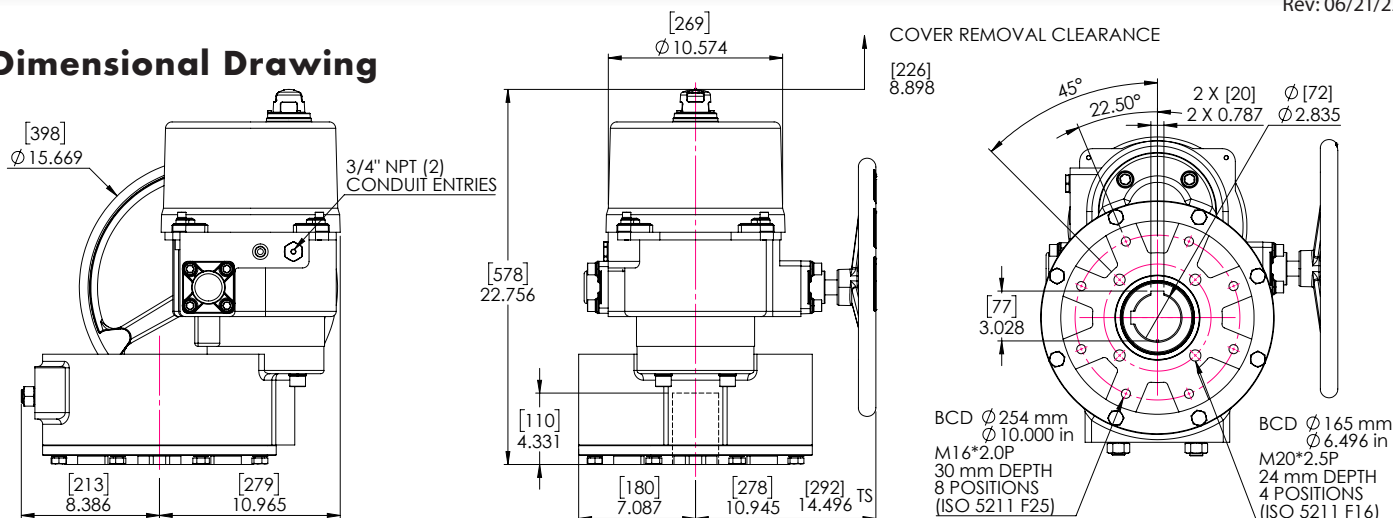
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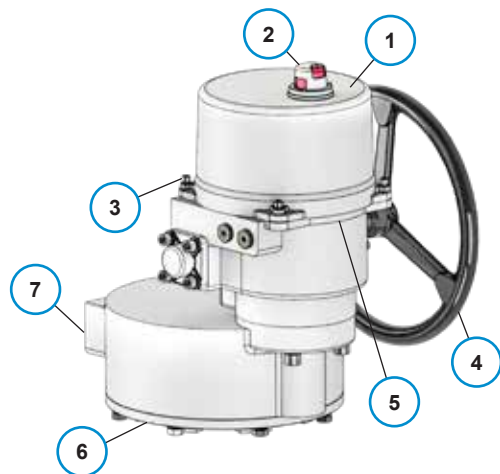
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Dimensional Drawing



Materials of Construction

#	DESCRIPTION	MATERIALS
1	IP67 Actuator Housing	ADC3 Aluminum Alloy
2	Indicator	ADC10 Cast Aluminum Shield Over Clear Polycarbonate
3	Captured Cover Screw	SUS304 Stainless Steel (Qty. 4)
4	Manual Override Handwheel	PA6 Nylon
5	IP67 Cover Seal	NBR O-Ring
6	Main Output Gear	FCD60 Graphite Iron Casting
7	Mechanical Stop Screws	SUS304 Stainless Steel (Qty. 2)



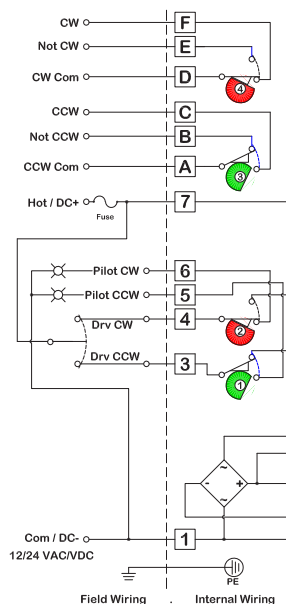
Wiring Diagrams

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

