

ME E008~E013 LCU L | Open/Close/Jog/Mod

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

Max Air Electric™

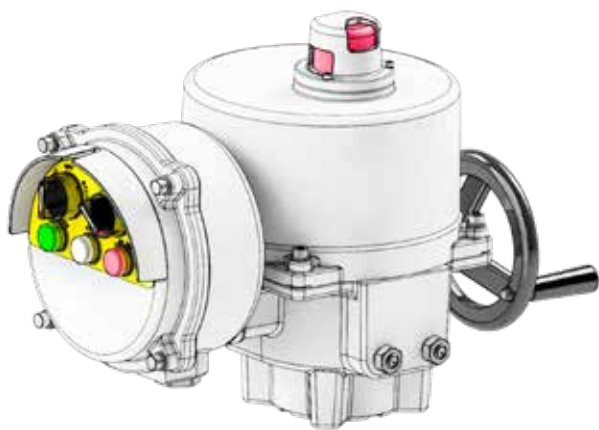
Max-Air
TECHNOLOGY

Rev: 06/21/22



Website

ME E008~E013 LCU L Series Open/Close/Jog/Modulating



Overview

The ME E008~E013 LCU L Series are quarter-turn electric industrial service actuators delivering up to 1330 in-lbs torque in voltages ranging from 12vdc up through 480v, and available in 2 position (Open/Close), Floating (Open/Close/Jog) or Modulating (4-20mA default or 2-10vdc) control schemes. Units are equipped with a Local Control Unit (LCU) Knob/Knob Type with Open, Closed & Power indicators, Remote Mode Status Output, and Fault Mode Status Output, to facilitate HOA operation at the actuator. (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
- Clutch-free manual override handwheel standard
- Local Control Stations

Options

- Torque Switches
- IP68 Submersion
- Battery Backup
- Chain Wheel Override
- Manual Override Lockout

Specifications

		ME E008 LCU L	ME E013 LCU L
Supply	Torque Output (in-lb / Nm)	800 in-lb / 90Nm	1335 in-lb / 150Nm
12V	Starting Current - DC Amps	12.0A	8.0A
	Running Current - DC Amps	4.5A	4.6A
	Speed (90°) @DC, seconds @ rated load	15 sec	24 sec
	Motor, Voltage, Type, Class	12VDC 2-Pole Brush, Class F	12VDC 2-Pole Brush, Class F
	Motor Power	40W	40W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
24V	Starting Current - DC Amps	10.0A	10.0A
	Running Current - DC Amps	2.8A	2.6A
	Speed (90°) @DC, seconds @ rated load	18 sec	27 sec
	Motor, Voltage, Type, Class	24VDC 2-Pole Brush, Class F	24VDC 2-Pole Brush, Class F
	Motor Power	40W	40W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
120V	Starting Current - AC Amps	3.0A	3.0A
	Running Current - AC Amps	1.2A	1.2A
	Speed (90°) @60Hz, seconds @ rated load	17 sec	26 sec
	Motor, Voltage, Type, Class	120VAC Split-Phase Cap Run TENV Class F	120VAC Split-Phase Cap Run TENV Class F
	Motor Power	40W	40W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
230V	Starting Current - AC Amps	2.0A	2.0A
	Running Current - AC Amps	0.6A	0.6A
	Speed (90°) @60Hz, seconds @ rated load	17 sec	26 sec
	Motor, Voltage, Type, Class	230VAC Split-Phase Cap Run TENV Class F	120VAC Split-Phase Cap Run TENV Class F
	Motor Power	40W	40W
	Duty Cycle	100% (EN 60034) / Class A/B/C (ISO 22153)	
ALL	Environmental Rating	NEMA 4/4X & IP67	
	Electrical Entry	3/4" EMT x 2	
	Control	Open/Close/Jog, Modulating	
	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	0-95% RH	
	Altitude Limit	9850 ft / 3000 m	
	Weight (kg / lbs)	14 kg / 31 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.

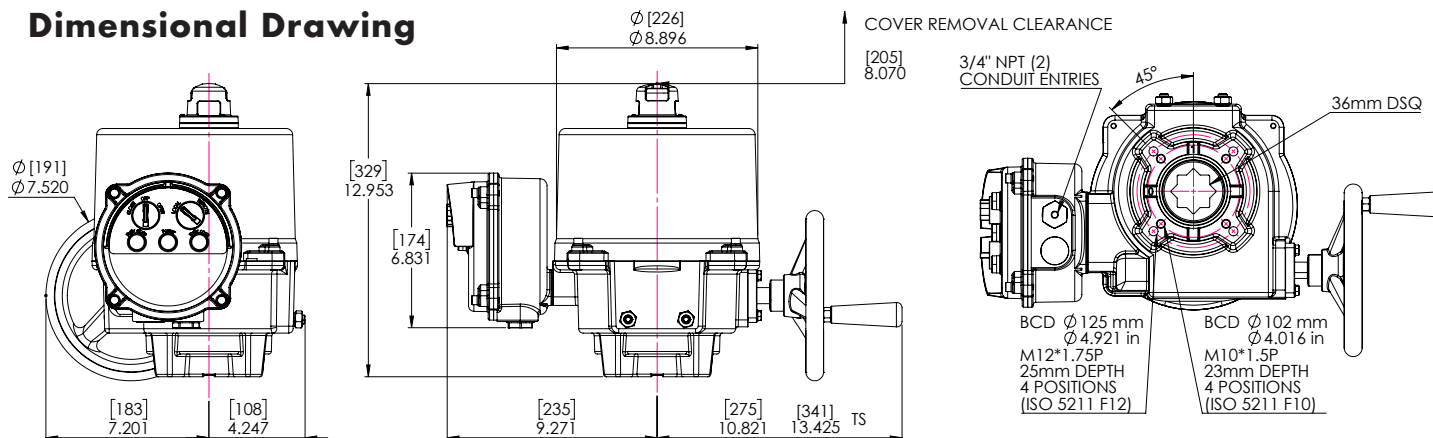
ME E008~E013 LCU L | Open/Close/Jog/Mod

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

Rev: 06/21/22

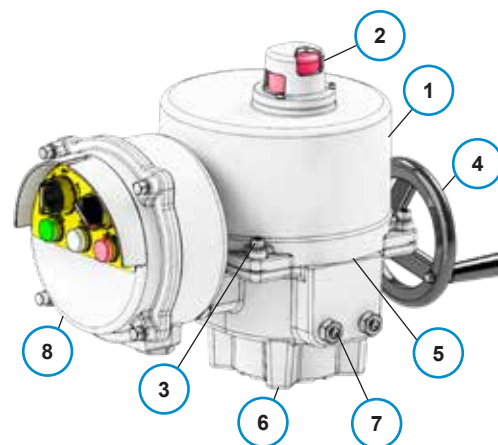


Dimensional Drawing



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)
8	IP67 Local Control Unit	ADC3 Aluminum Alloy



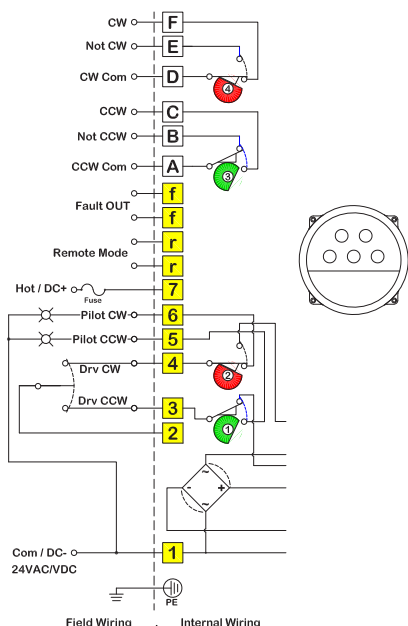
Wiring Diagrams

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

