

# MX G058 | Open/Close/Jog/Mod

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

Rev: 09/19/22



Website

## MX G058 Series Open/Close/Jog/Modulating



## Overview

The MX G058 Series are Hazardous Location-rated quarter-turn electric industrial service actuators delivering up to 5755 in-lb / 650Nm 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. 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.
- ISO5211 compliant mounting with double-square drive socket
- Clutch-free manual override handwheel standard
- Visual Position indicator
- IP68 Submersion
- Torque Switches

### Options

- Chain Wheel  
Override
- Manual Override  
Lockout

### HAZARDOUS LOCATION RATING

Class I, Division 1, Groups C, D T4  
Class II, Division 1, Groups E, F & G T130°C  
Class I, Zone 1, Ex db IIB T4 Gb (for Canada)  
Class 1, Zone 1, Aex db IIB T4 Gb (for US)  
Class II, Zone 21, Aex tb IIIC T130°C Db (for US)  
Ex tb IIIC T130°C Db (for Canada)  
(Zones 20, 21 or 22 not applicable in Canada)

## Specifications

| MX G058 |                                         |                                                                      |
|---------|-----------------------------------------|----------------------------------------------------------------------|
| Supply  | Torque Output (in-lb / Nm)              | 5755 in-lbs / 650Nm                                                  |
| 24V     | Starting Current - DC Amps              | 20.0A                                                                |
|         | Running Current - DC Amps               | 9.0A                                                                 |
|         | Speed (90°) @DC, seconds @ rated load   | 37 sec                                                               |
|         | Motor, Voltage, Type, Class             | 24VDC 2-Pole Brush, Class F                                          |
|         | Motor Power                             | 80W                                                                  |
|         | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                            |
| 120V    | Starting Current - AC Amps              | 7.0A                                                                 |
|         | Running Current - AC Amps               | 2.4A                                                                 |
|         | Speed (90°) @60Hz, seconds @ rated load | 34 sec                                                               |
|         | Motor, Voltage, Type, Class             | 120VAC Split-Phase TENV Class F                                      |
|         | Motor Power                             | 80W                                                                  |
|         | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                            |
| 230V    | Starting Current - AC Amps              | 4.0A                                                                 |
|         | Running Current - AC Amps               | 1.1A                                                                 |
|         | Speed (90°) @60Hz, seconds @ rated load | 34 sec                                                               |
|         | Motor, Voltage, Type, Class             | 230VAC Split-Phase TENV Class F                                      |
|         | Motor Power                             | 80W                                                                  |
|         | Duty Cycle                              | 100% (EN 60034) / Class A/B/C (ISO 22153)                            |
| ALL     | Environmental Rating                    | NEMA 4/4X & IP68                                                     |
|         | Electrical Entry                        | 3/4" EMT x 2                                                         |
|         | Control                                 | Open/Close/Jog, 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~+158°F (-30°C~+70°C)                                           |
|         | Humidity Range                          | 0-95% RH                                                             |
|         | Altitude Limit                          | 9850 ft / 3000 m                                                     |
|         | Weight (kg / lbs)                       | 20 kg / 44.0 lbs                                                     |

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

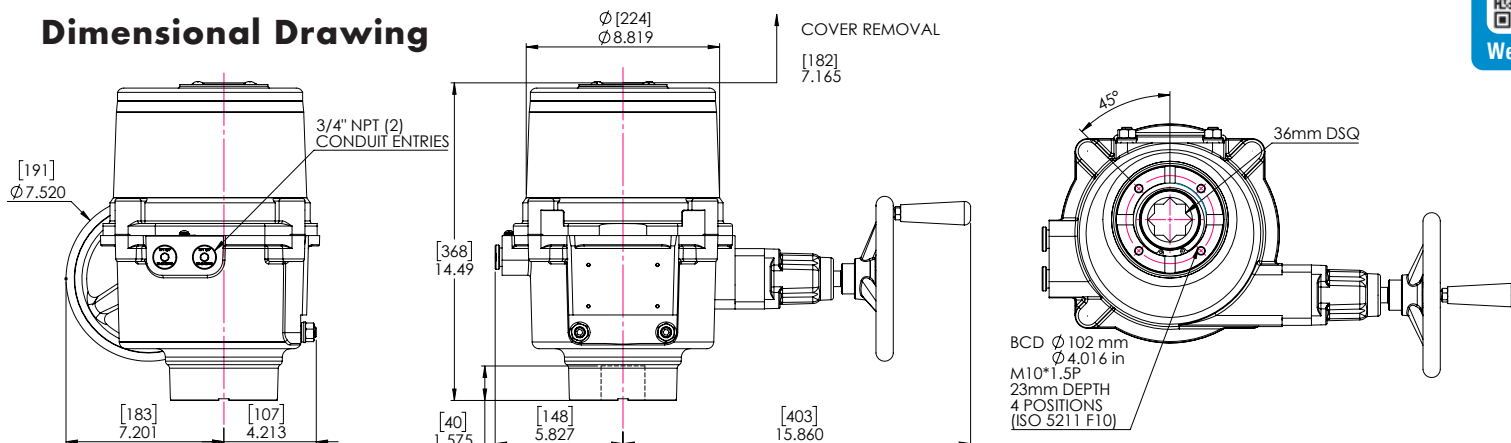
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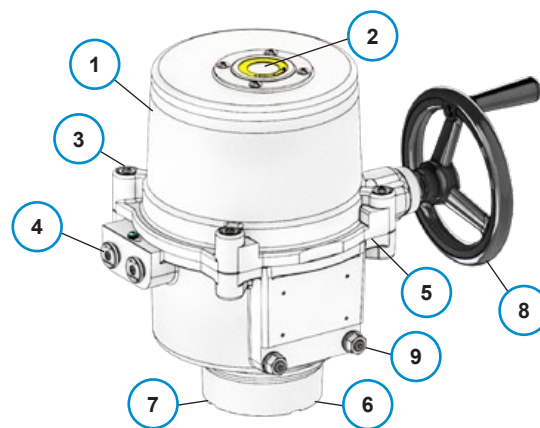


## Dimensional Drawing



## Materials of Construction

| # | DESCRIPTION           | MATERIALS                       |
|---|-----------------------|---------------------------------|
| 1 | Actuator              | ADC10 Aluminum Alloy            |
| 2 | Indicator             | Soda Lime Glass                 |
| 3 | Cover Screw           | SUS304 Stainless Steel (Qty. 4) |
| 4 | EMT Port Seals        | SUS304 Stainless Steel          |
| 5 | Cover Seal            | Viton                           |
| 6 | ISO Mount Profiles    | ADC10 Aluminum Alloy            |
| 7 | Output Socket         | 45C Carbon Steel                |
| 8 | Handwheel             | PA6 Nylon                       |
| 9 | Mechanical Stop Screw | SUS304 Stainless Steel          |

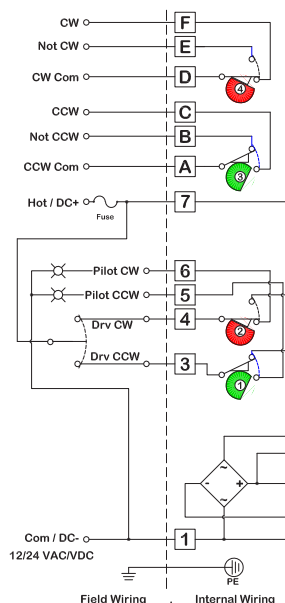


## Wiring Diagrams

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

