

# Explosion-Proof Modulating Electric Actuator with Integrated Control

This explosion-proof electric actuator is designed for modulating control in hazardous environments. Its integral design simplifies installation and maintenance, while providing precise adjustments for optimal process control.



## ADDITIONAL IMAGES



## Product Overview

### Industrial Precision in Hazardous Environments

This explosion-proof modulating electric actuator is engineered for high-performance control in demanding industrial settings. Featuring an all-metal gear system, self-locking mechanisms, and a robust die-cast aluminum enclosure, it ensures durability and safety against explosive pressures. The unit includes a fully potted controller that protects electronics from vibration and moisture, making it highly reliable for continuous modulating applications.

## Technical Specifications

### Key Performance Metrics

**600 Nm**

Torque

**37 S**

Operating Time

**220 VAC**

Voltage

### Control Signals

- Input Signal: DC 4-20mA
- Output Signal: DC 4-20mA

## Certifications and Safety

### Operational Environment

Parameter	Value
Ambient Temperature	-20°C to 60°C
Enclosure Pressure Rating	e 2.2Mpa
Protection Rating	IP68

### Compliance and Safety

Explosion-Proof, SIL Certified, IP68, EMC Compliant, ATEX, UL, NEPSI

## Design and Build

### Core Mechanical Features

- 1/4 turn operation with mechanical limits
- All metal gears with self-locking worm gear
- High-intensity position indicator with 10mm tempered glass
- Manual override via Allen wrench or handwheel
- ISO 5211 multi-flange mounting