

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