

# Explosion-Proof Quarter-Turn Electric Actuator

This compact electric actuator is designed for quarter-turn valves. It features ExdAB T4 explosion-proof grade and IP68 protection.



## ADDITIONAL IMAGES



## Product Overview

### Explosion-Proof Quarter-Turn Electric Actuator

This quarter-turn electric actuator is engineered for safe operation in hazardous industrial environments, including petroleum, chemical, and power plant facilities. Featuring a robust die-cast aluminum alloy enclosure and IP68 protection, it ensures reliability against high explosion pressures and environmental ingress. The unit is designed for rigorous duty cycles and complies with strict international safety standards for explosive atmospheres.

## Technical Specifications

### Ingress Protection

IP68

### Duty Cycle Metrics

**70 %**

Duty Rate

**1200 times/hour**

Intermittent Operation

### Operating Temperature Range

Condition	Temperature
Low Temperature Limit	-22°F
High Temperature Limit	140°F
Max Surface Temperature	300.6°F (135°C)

### Explosion-Proof Rating

Class 1 Zone 1 AExdIIBT4, Class 1 Division 1, Group C, D T4

## Mechanical Design

### Housing & Construction

- Hard die-cast aluminum alloy enclosure
- Explosion pressure resistance > 2.2 MPa
- Double lip skeleton oil seal and O-ring seal
- 10mm high strength glass lens for position indicator
- Non-ventilated motor with fire treatment

### Mounting Standard

ISO5211 multi flange mounting