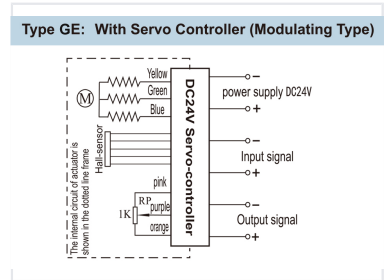


# Electric Quarter-Turn Valve Actuator with Brushless DC Motor

This electric actuator is designed for quarter-turn valves. It features a DC brushless motor for precise control and long-lasting performance.



## ADDITIONAL IMAGES



## Overview

### High-Precision Modulating Actuation

This electric quarter-turn valve actuator utilizes a high-efficiency brushless DC motor, offering superior control and longevity compared to traditional AC motors. Designed for demanding industrial environments, it features a robust IP67-rated enclosure and provides precise modulating control via 4-20mA signals. With advanced features like automatic torque adjustment and manual override, it ensures reliable performance for critical valve positioning applications.

## Technical Specifications

### Key Performance Metrics

**100 Nm**

Max Torque (DCL-10GE)

**600 Nm**

Max Torque (DCL-40GE)

**1 %**

Basic Error

**1200 times**

Operations Per Hour

### Model Specifications

Feature	DCL-10GE	DCL-40GE
Motor Power	30W	70W
Max Current	3.3A	1.8A / 8.9A / 6.6A
Action Time	15S / 30S	15S / 30S
Total Weight	4.5kg	9.5kg

### Electrical Characteristics

- Input Signal: 4-20mA DC
- Output Signal: 4-20mA DC
- Power Supply: DC24V  $\pm$ 10%
- Insulating Resistance: 100M $\Omega$ /250DC
- Withstand Voltage: 500VAC (1 minute)

## Environmental & Mechanical

### Environmental Ratings

- Protection Class: IP67 (Dust and water resistant)
- Ambient Temperature: -25 to +55
- Installation Angle: 360° (Any angle)

### Certifications & Compliance

CE Marked, RoHS 3 Compliant, UL Standard, CSA Listed

## Features

### Key Features

Brushless DC Motor • Manual Override • ISO5211 Direct Installation • Over Torque Protection • Modulating Control