

# Bistable Rotating Solenoid - RBRS40 Series

The RBRS40 series bistable rotating solenoid is a compact and efficient electromechanical actuator. It utilizes a bistable mechanism, allowing it to maintain its position even without continuous power, resulting in energy savings.



## Product Overview

### SPECIFICATION

Model	Magnetizer Width (mm)	Megent Diameter (mm)	Megent Length (mm)	DC register (ohms)	Working Voltage (V)	WEIGHT (g)
RBRS40—15/18	18	15	18	6, 10	8-24	175
RBRS40—15/15	15	15	15	8, 12	8-24	165
RBRS40—15/13	13	15	13	10, 15	8-24	155

Note: Other DC register value available - Please consult factory.

## Precision Bistable Actuation

The RBRS40 series bistable rotating solenoid is a highly efficient electromechanical actuator engineered for applications requiring precise angular positioning and reliable holding. By utilizing a bistable mechanism, this device maintains its state without continuous power, resulting in significant energy savings and reduced heat generation during long-duration operations. Its robust construction features precision bearings and a durable housing, making it an ideal choice for robotics, industrial automation, and valve control systems.

### Core Features

Bistable Mechanism, Energy Efficient, Compact Design, Precision Bearings

## Key Performance Metrics

### Featured Performance Specs

**24 V**

Maximum Operating Voltage

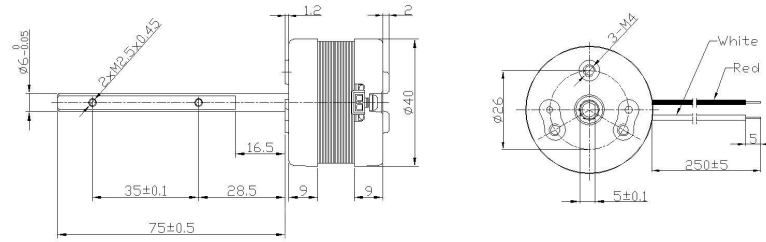
**175 g**

Maximum Weight

**15 mm**

Magnet Diameter

## Technical Specifications



### Mechanical Dimensions

Component	Dimension
Total Length	75mm ±0.5mm
Shaft Diameter	6mm (-0.05mm)
Shaft Length	35mm ±0.1mm
Body Diameter	40mm
Lead Wire Length	250mm ±5mm

### Mounting Configurations

- 2xM2.5x0.45 mounting holes on shaft side
- 3x M4 mounting holes on front face (26mm diameter circle)

## Model Variants

### Model Specifications

Model	Magnetizer Width	Magnet Length	DC Register
RBRS40-15/18	18	18	6
RBRS40-15/15	15	15	8
RBRS40-15/13	13	13	10