

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

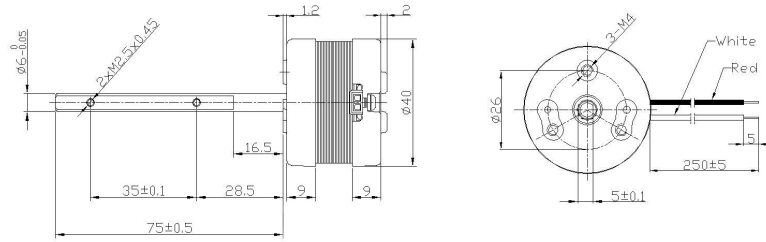
175 g

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