



Actuator for operating dampers in air handling systems

- * For torque up to 5 Nm (motor), Spring return 4 Nm
- * For dampers up to approx. 1 m²
- * On/Off or 0...10 V control
- * Compact design
- * Supply voltage 24 V or 230 V AC
- * With or without auxiliary switch

Function

Field of application

The spring return motor RDA5S... is used to control smaller dampers to open or closed position in the event of power failure.

Spring return

When connecting the supply voltage the motor moves to the working position, at the same time the spring return tenses. If the power supply is interrupted, the energy stored in the spring moves the damper back to its safe position.

Simple installation

The damper actuator is fitted with a universal spindle clamp for quick and easy mounting directly on the damper spindle.

The actuator is supplied with an antirotation strap for fixing it in position. The damper actuators are supplied with 0.9 m of cable.

Shaft size

Round shaft \varnothing 8...16 mm
 Square shaft \square 8...12 mm

Models

Type	Control signal	Supply voltage	Features
RDA5S-230	On / Off	230 V AC	
RDA5S-230S	On / Off	230 V AC	Auxiliary switch
RDA5S-24T	On / Off	24 V AC/DC	
RDA5S-24TS	On / Off	24 V AC/DC	Auxiliary switch
RDA5S-24A	0...10 V	24 V AC/DC	(2...10 V working range)

Technical data

Supply voltage RDA5S-24... 24 V AC/DC +/- 20%, 50...60 Hz
 RDA5S-230... 230 V AC +/- 15%, 50...60 Hz

Power consumption

24 V AC/DC (On/Off) 5.0 W / 6.5 VA
 230 V AC (On/Off) 5.0 W / 6.5 VA
 24 V AC/DC (2...10 V) Preliminary 50 W / 6.5 VA

Direction of rotation RDA5S-... Selected by side inverted mounting
 RDA5S-24A Changeable from the outside

Torque 5 Nm, at rated voltage, N.B. Maximum 4 Nm at spring return

Angle of rotation 100° (-5°...95°)

Running time -Motor < 75 s
 -Spring return < 20 s

Position indication Mechanical

Degree of protection IP54

Ambient temp. range -30°...+50°C



These products conform with the requirements of European EMC and LVD according to 89/336/EEC and 92/31/EEC and carries the CE mark

Unique features RDA5S-24A

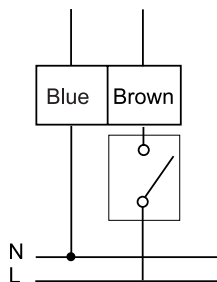
Control signal Y1 0...10 V DC @ input resistance 100 kΩ

Operating range 2...10 V DC

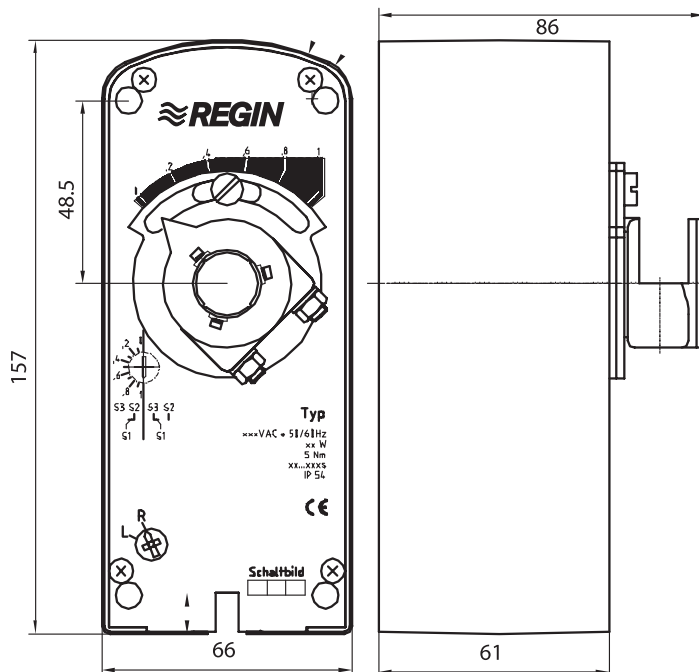
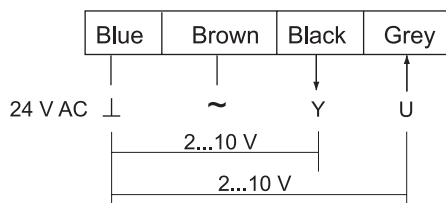
Position feedback 2...10 V DC

Wiring and dimensions

RDA5S-24 & RDA5S-230



RDA5S-24A



Input control signal on U (Grey)
 Position feedback signal on Y (Black)