

## Spring-return damper actuator, 3 Nm

# SR3

### Description

Damper actuator serie SR3 to operate and position air dampers in HVAC systems.

- For air dampers up to approx. 0,5 m<sup>2</sup>
- Nominal voltage 24 Vac/dc and 230 Vac
- Control: 2-point, on-off
- Characteristics: universal spindle clamp for easy direct mounting, anti-rotation bracket provided for stability, selectable direction of rotation, adjustable angle of rotation, 1 m cable connection.

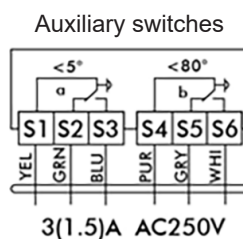
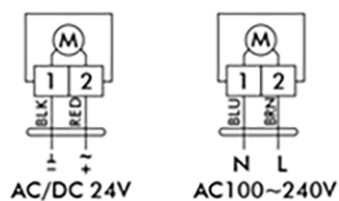


### Technical features

| Actuator model          |                | SR3A   | SR3B         |
|-------------------------|----------------|--|--------------|
| Damper area             | m <sup>2</sup> | 0,6  |              |
| Nominal torque          | Nm             | 3  |              |
| Power supply            | V              | 24 AC/DC   | 100...240 AC |
| Frequency               | Hz             | 50/60  |              |
| Power consumption       |                |  |              |
| - in operation          | W              | 5  |              |
| - at rest               | W              | 2  |              |
| Running time for motor  | s              | <75  |              |
| Running time for spring | s              | <20 (spring reset)                                 |              |
| Sound power level       | db (A)         | circa 50   |              |
| Control signal          |                | 2 point, on-off                                    |              |
| Auxiliary switch rating |                | 3 (1,5) A, AC 230 V                                |              |
| Life Cycle              | cycles         | 70.000   |              |
| Rotation angle          |                |  |              |
| - operating             |                | 90° (95° mechanical)                               |              |
| - limitation            |                | 5-85° (steps of 5°)                                |              |
| Protection class        |                | III  | II           |
| Protection degree       |                | IP54   |              |
| Working range °C        |                | -20...+50° C                                       |              |
| Working range RH        |                | 5...95% RH, non-condensating                       |              |
| Storage temperature     |                | -40...+80° C                                       |              |
| Maintenance             |                | free   |              |
| Maintenance             | mm             | > 90   |              |
| Shaft length            | mm             | ○ 10...16 □ 7x7...12x12                            |              |
| Weight                  | g              | 1300   |              |
| Standards               |                | CE-conformity, RoHs                                |              |
| Option                  |                | suffix S for models with 2 SPDT auxiliary switches |              |

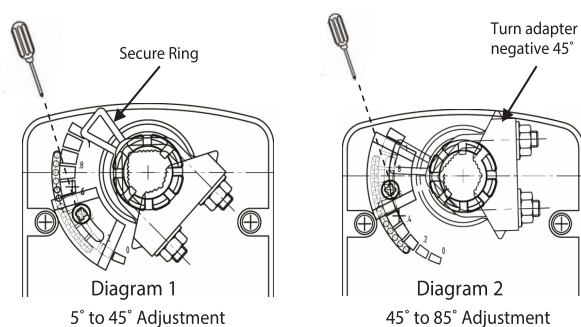


## Electrical wirings



## Settings

Limitation of rotation angle from 5° to 85°



For 5° to 45° (diagram 1)

1. Loosen screw of the mechanical limiter plate.
2. Move the limiter plate to the appropriate position.
3. Tighten the screw.

For 45° to 85° (diagram 2)

1. Release the secure ring of the adapter.
2. Remove the adapter and turn negative 45° as shown.
3. Insert adapter and secure the adapter ring.
4. Loosen screw of the mechanical limiter plate.
5. Move the limiter plate to the appropriate position.
6. Tighten the screw.

### Dimensions (mm)

