

Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations

- Torque: 20Nm
- Nominal voltage: AC 24...240V / DC 24...125V
- Control: Open/Close



Technical data

| Electrical data | | Nominal voltage | AC 24...240V 50/60Hz, DC 24...125V |
|---------------------|--|------------------------|---|
| | | Nominal voltage range | AC 19.2...264V / DC 21.6...137.5V |
| | | Power consumption | 7W @ nominal torque / 3.5W @ holding |
| | | For transformer sizing | 7VA @ AC 24V; 8.5VA @ AC 120V; 18VA @ AC 240V |
| | | Connecting cable | Cable 1m, 2x0.75mm ² |
| Functional data | | Torque | 20Nm @ nominal voltage |
| | | Direction of rotation | Selectable by mounting L/R |
| | | Manual override | By manual override key |
| | | Angle of rotation | Max. 95°, adjustable by mechanical stops |
| | | Running time | -motor 75s -spring return 20s @ -20...+50°C / max. 60s @ -30°C |
| | | Sound power level | -motor Max. 45dB(A) -spring return Max. 62dB(A) |
| | | Position indicator | Mechanical |
| Working conditions | | Protection class | II (Totally insulated) |
| | | Degree of protection | IP54 |
| | | EMC | CE according to 2004/108/EC |
| | | Low voltage directive | CE according to 2006/95/EC |
| | | Mode of operation | Type 1.AA (EN 60730-1) |
| | | Ambient temp. | -30...+50°C |
| | | Non-operation temp. | -40...+80°C |
| | | Humidity | 5...95% RH, non-condensing |
| | | Maintenance | Maintenance-free |
| Dimensions / weight | | Dimensions (LxWxH) | See "Dimensions" |
| | | Weight | 2.2kg |

Dimensions [mm]

Standard :

¾"-clamp (with insert)

| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|-----------|
| | ≥85 | 10...22 | 10 | 14...25.4 |
| | ≥15 | 10...22 | 10 | 14...25.4 |

Optional 1:

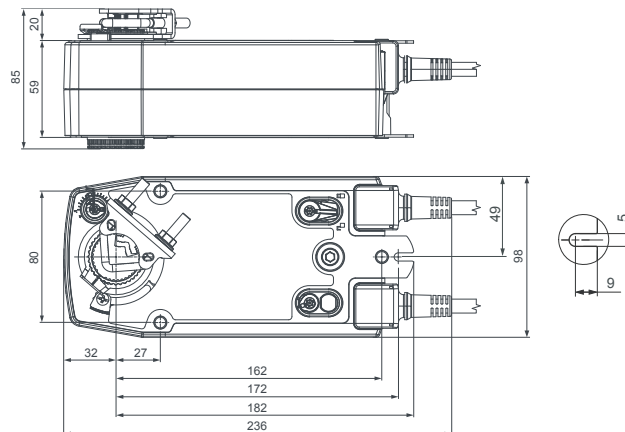
1"-clamp (without insert)

| Damper shaft | Length | ● I | ■ I |
|--------------|--------|-----------|---------|
| | ≥85 | 19...25.4 | 12...18 |
| | ≥15 | 19...25.4 | 12...18 |

Optional 2:

½"-clamp (optional via configuration)

| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|---------|
| | ≥85 | 10...19 | — | 14...20 |
| | ≥15 | 10...19 | — | 14...20 |



Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations

- Torque: 20Nm
- Nominal voltage: AC 24...240V / DC 24...125V
- Control: Open/Close
- 2xSPDT auxiliary switches



Technical data

| Electrical data | | | |
|-------------------------|----------------|---|--|
| Nominal voltage | | AC 24...240V 50/60Hz, DC 24...125V | |
| Nominal voltage range | | AC 19.2...264V / DC 21.6...137.5V | |
| Power consumption | | 7W @ nominal torque / 3.5W @ holding | |
| For transformer sizing | | 7VA @ AC 24V; 8.5VA @ AC 120V; 18VA @ AC 240V | |
| Auxiliary switch (-S2) | | 2 SPDT, 1mA...3(0.5)A, AC 250V one fixed at 10%, one adjustable 10...90% | |
| Connecting cable-motor | | Cable 1m, 2x0.75mm ² | |
| -auxiliary switch (-S2) | | Cable 1m, 6x0.75mm ² | |
| Functional data | | | |
| Torque | | 20Nm @ nominal voltage | |
| Direction of rotation | | Selectable by mounting L/R | |
| Manual override | | By manual override key | |
| Angle of rotation | | Max. 95°, adjustable by mechanical stops | |
| Running time | -motor | 75s | |
| | -spring return | 20s @ -20...+50°C / max. 60s @ -30°C | |
| Sound power level | -motor | Max. 45dB(A) | |
| | -spring return | Max. 62dB(A) | |
| Position indicator | | Mechanical | |
| Working conditions | | | |
| Protection class | | II (Totally insulated) | |
| Degree of protection | | IP54 | |
| EMC | | CE according to 2004/108/EC | |
| Low voltage directive | | CE according to 2006/95/EC | |
| Mode of operation | | Type 1.AA.B (EN 60730-1) | |
| Ambient temp. | | -30...+50°C | |
| Non-operation temp. | | -40...+80°C | |
| Humidity | | 5...95% RH, non-condensing | |
| Maintenance | | Maintenance-free | |
| Dimensions / weight | | | |
| Dimensions (LxWxH) | | See "Dimensions" | |
| Weight | | 2.4kg | |

Dimensions [mm]

Standard :
¾"-clamp (with insert)

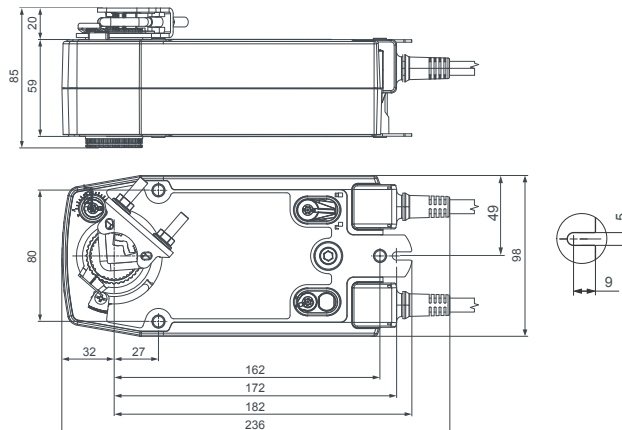
| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|-----------|
| | ≥85 | 10...22 | 10 | 14...25.4 |
| | ≥15 | 10...22 | 10 | 14...25.4 |

Optional 1:
1"-clamp (without insert)

| Damper shaft | Length | ● I | ■ I |
|--------------|--------|-----------|---------|
| | ≥85 | 19...25.4 | 12...18 |
| | ≥15 | 19...25.4 | 12...18 |

Optional 2:
½"-clamp (optional via configuration)

| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|---------|
| | ≥85 | 10...19 | — | 14...20 |
| | ≥15 | 10...19 | — | 14...20 |



Damper actuator for operating air control dampers in ventilation and air-conditioning systems for building services installations

- Torque: 20Nm
- Nominal voltage: AC/DC 24V
- Control signal: DC (0)2...10V
- Position feedback: DC 2...10V



Technical data

| Electrical data | | | |
|----------------------------|----------------|--|--|
| Nominal voltage | | AC 24V 50/60Hz, DC 24V | |
| Nominal voltage range | | AC 19.2...28.8V / DC 21.6...28.8V | |
| Power consumption | | 5W @ nominal torque / 3.5W @ holding | |
| For transformer sizing | | 7VA | |
| Connecting cable | | Cable 1m, 4x0.75mm ² | |
| Functional data | | | |
| Torque | | 20Nm @ nominal voltage | |
| Control signal Y | | DC (0)2...10V @ input impedance 100kΩ | |
| Position feedback signal U | | DC 2...10V @ max. 0.5mA | |
| Position accuracy | | ±5% | |
| Direction of rotation | | Reversible with switch ↺ / ↻ Selectable by mounting L/R | |
| Manual override | | By manual override key | |
| Angle of rotation | | Max. 95°, adjustable by mechanical stops | |
| Running time | -motor | 75s | |
| | -spring return | 20s @ -20...+50°C / max. 60s @ -30°C | |
| Sound power level | -motor | Max. 40dB(A) | |
| | -spring return | Max. 62dB(A) | |
| Position indicator | | Mechanical | |
| Working conditions | | | |
| Protection class | | III (safety extra-low voltage) | |
| Degree of protection | | IP54 | |
| EMC | | CE according to 2004/108/EC | |
| Mode of operation | | Type 1.AA (EN 60730-1) | |
| Ambient temp. | | -30...+50°C | |
| Non-operation temp. | | -40...+80°C | |
| Humidity | | 5...95% RH, non-condensing | |
| Maintenance | | Maintenance-free | |
| Dimensions / weight | | | |
| Dimensions (LxWxH) | | See "Dimensions" | |
| Weight | | 2.2kg | |

Dimensions [mm]

Standard :

¾"-clamp (with insert)

| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|-----------|
| | ≥85 | 10...22 | 10 | 14...25.4 |
| | ≥15 | 10...22 | 10 | 14...25.4 |

Optional 1:

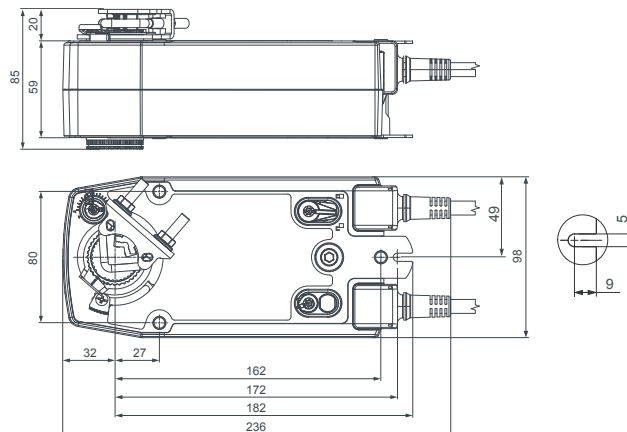
1"-clamp (without insert)

| Damper shaft | Length | ● I | ■ I |
|--------------|--------|-----------|---------|
| | ≥85 | 19...25.4 | 12...18 |
| | ≥15 | 19...25.4 | 12...18 |

Optional 2:

½"-clamp (optional via configuration)

| Damper shaft | Length | ● I | ■ I | ◆ I |
|--------------|--------|---------|-----|---------|
| | ≥85 | 10...19 | — | 14...20 |
| | ≥15 | 10...19 | — | 14...20 |

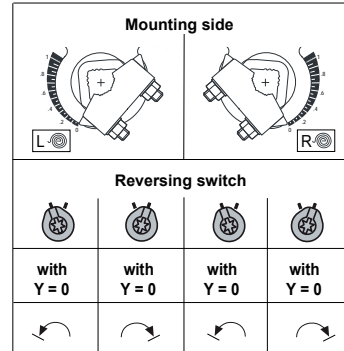
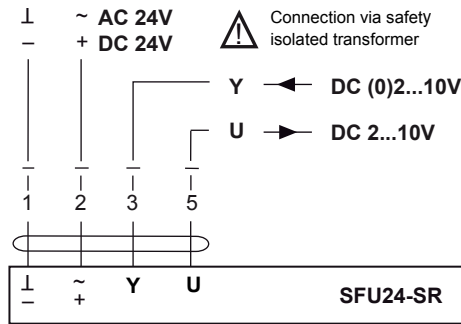


Wiring diagrams

Modulating control

Notes:

- Connection via safety isolating transformer.
- Parallel connection of several actuators is possible.
- Power consumption must be observed.



Open/Close control

Notes:

- Parallel connection of several actuators is possible.
- Power consumption must be observed.

