



**Dampers up to approx. 0.8 m<sup>2</sup>**  
**Open/Close actuator (AC 230 V)**  
**Control by single-pole contact**

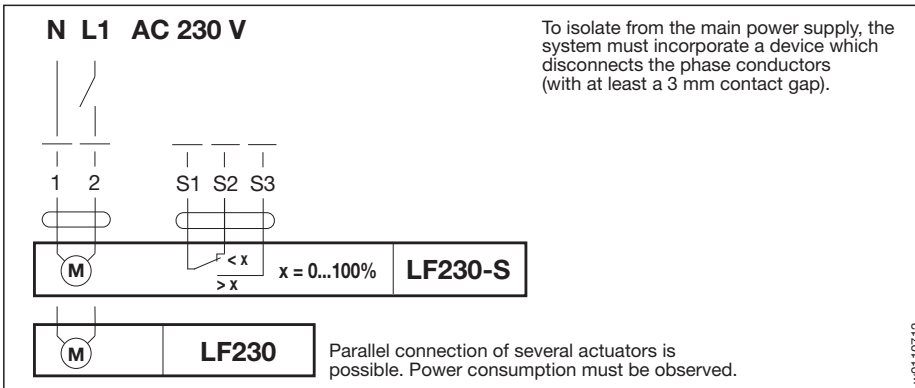
**Application**

For the operation of air dampers that perform safety functions (e.g. frost and smoke protection, hygiene, etc.).

**Mode of operation**

The LF... actuator moves the damper to its normal working position while tensioning the return spring at the same time. If the power supply is interrupted, the energy stored in the spring moves the damper back to its safe position.

**Wiring diagram**



**Product features**

**Simple direct mounting** on the damper spindle by universal spindle clamp. An anti-rotation device is supplied to prevent unwanted rotation of the whole unit.

**Mechanical angle of rotation limiting** adjustable with built-in stop.

**High functional reliability**

The actuator is overload proof, needs no limit switches and halts automatically at the end stop.

**Flexible signalling** 0...100%  $\triangleleft$ , with adjustable auxiliary switch (LF230-S only).

**Adjusting the auxiliary switch LF230-S**, page 6

**Mounting accessories**, page 11

**Mounting instructions**, pages 13...15

**Important:** Read the notes about the use and torque requirements of the damper actuators on page 3.

Technical data	LF230, LF230-S
Nominal voltage	AC 230 V 50/60 Hz
Nominal voltage range	AC 198...264 V
For wire sizing	7 VA (I <sub>max</sub> 150 mA @ 10 ms)
Power consumption	
- motoring	5 W
- holding	3 W
Connecting cable	- motor 1 m long, 2 x 0.75 mm <sup>2</sup> - auxiliary switch (LF230-S) 1 m long, 3 x 0.75 mm <sup>2</sup>
Auxiliary switch (LF230-S)	1 x SPDT 6 (1.5) A, AC 250 V <input type="checkbox"/>
- Switching point	adjustable 0...100% $\triangleleft$
Direction of rotation	selected by mounting L/R
Torque	- motor min. 4 Nm (at rated voltage) - spring return min. 4 Nm
Torque	max. 95° (adjustable 37...100% $\triangleleft$ with built-in mechanical stop)
Running time	- motor 40...75 s (0...4 Nm) - spring return ≈ 20 s @ -20...50°C / max. 60 s @ -30°C
Sound power level	motor max. 50 dB (A), spring ≈ 62 dB (A)
Service life	min. 60 000 operations
Position indication	mechanical
Protection class	II (all insulated)
Degree of protection	IP 54
Ambient temp. range	-30...+50 °C
Non-operating temp.	-40...+80 °C
Humidity test	to EN 60730-1
EMC	CE according to 2004/108/EEC
Low Voltage Directive	CE according to 2006/95/EEC
Maintenance	maintenance-free
Weight	1550 g

**Dimensions**

