

Series
BELIMO
CM230/CM24



■ **Application**

The SM series actuators with actuating torque 2 Nm are designed for controlling air dampers with cross section up to 0.4 m² installed in various ventilation and air conditioning systems.

■ **Design**

The actuator is installed directly on the damper axis and locked with a special spindle clamp to prevent its turning-through. The actuator overload protection

stops the actuator once it reaches the end positions. In case of installation of a magnet on the actuator housing the gear is disengaged and the damper changes into manual operation mode. The turning angle is adjusted by mechanical end stops.

■ **Control**

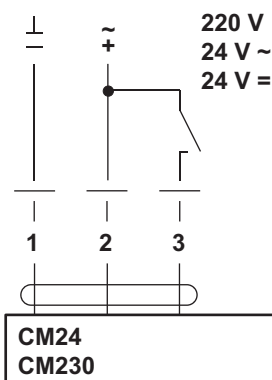
The **CM24A**, **CM230** models are controlled by the three-point control system. The damper is opened or closed by the single-circuit control.

Technical data

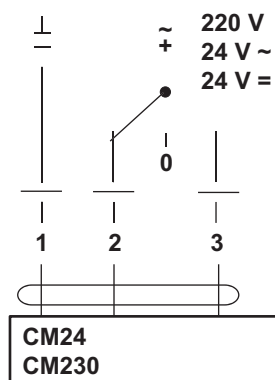
	CM24	CM230
Voltage	24 AC 50/60 Hz, 24 DC	230 AC 50/60 Hz
Nominal voltage range [V]	19.2...28.8 AC 19.2...28.8 DC	85...265 AC
Rated power [VA]	1	2
Power consumption in operation/at rest [W]	0.5/0.5	1/1
Connecting cable	1 m long, 3 x 0.75 mm ²	
Positioning accuracy	± 5 %	
Rotation direction	determined by terminal connection	
Torque [Nm]	2, nominal voltage	
Rotation angle:	endless	
– no end stop	fixed 315°/adjustable 0...287.5° with 2.5° increment	
– with end stop		
Running time	75 s/90°	
Position indicator	mechanical	
Ingress protection	IP54 at any mounting position	
Electrical protection class	III low voltage II totally insulated	
Operation temperature [°C]	-30...+50	
Storage temperature [°C]	-40...+80	
Ambient humidity	95 %, no condensation	
Noise level [dBA]	35	
Maintenance	not required	
Mass [kg]	0.13	

Wiring diagram

Single-wire control



Two-wire control



Overall dimensions [mm]

