

Flexibility moves.



Actuators from Gruner –
Product overview damper drives
HVAC technology



When a suitable alternative is needed ...

High-quality actuators, from classic to customized.

The Slinky was invented in 1945 by Richard James. It conveys the full fascination of physics – and simultaneously symbolizes pure flexibility. This symbolism is reflected in the core values of Gruner AG. The actuators represent cost efficiency and the greatest possible flexibility in building management. Here they cover all requirements – from classic to air-volume control, and from very speedy actuators to small spindle drives.



Typical applications:

- For motorized control of dampers, ball and butterfly valves
- Mixed air and shut-off damper control for primary HVAC air-handling and zone units
- For controlling central and peripheral ventilation systems
- For smoke and waste gas dampers
- Motorvalve for drinking, cooling, tap water, condense water, air (f. ex. as zone valve)
- All actuators correspond to the DIN-VDE-standards and CE-directives



Damper actuators HVAC.



	without Spring Return			with Spring Return	
Type	225	227	363	341	361
Torque	5 Nm	5 Nm 10 (8) Nm 15 Nm	30 (20) Nm 40 Nm	3 Nm, approx. 0,6 m ² 5 Nm, approx. 1,0 m ²	10 Nm 20 Nm
Running time motor	60 - 120 s	60 - 230 s	60 - 230 s	60 - 230 s	60 - 230 s
2/3-point (0) 2...10 VDC or (0) 4...20 mA	• • • w/500 Ω	• • • w/500 Ω	• • • w/DIP switch	•/- • • w/500 Ω	•/- • • w/DIP switch
Power Supply	24 VAC/DC 80...265 VAC/DC	24 VAC/DC 80...265 VAC/DC	24 VAC/DC 80...265 VAC/DC	24 VAC/DC 80...265 VAC/DC	24 VAC/DC 80...265 VAC/DC
Options					
Feedback w/ potentiometer*	•	•			
Auxilliary switch(es)*	•	•	•	•	•
Concentric form locking shaft and flange fixing	•	•			
V-bolt clamp for damper shaft	•	•	•	•	•
Terminal connector	•		•		•

* not continuous control



	Accessories				
Type	Positioner FGEB	315	309	225 S	227 S
Torque	Surface mounting (AB) Panel mounting (EB)	4 Nm	150 N	5 Nm	5 Nm, 20...35s/90° 10 Nm, 75s/90°
Control				1 - 35 s	1 - 35 s
2/3-point (0) 2...10 VDC or (0) 4...20 mA	0...100% creates (0) 2...10 VDC w/ DIP switch output	• • • w/500 Ω	• • • w/500 Ω	• • • w/500 Ω	• • • w/500 Ω
Power Supply	15 VDC 24 VAC/DC	24 VAC/DC 80...230 VAC/DC	24 VAC/DC 80...230 VAC/DC	24 VAC/DC 80...265 VAC/DC	24 VAC/DC 80...265 VAC/DC
Options					
Feedback w/ potentiometer*		-		•	•
Auxilliary switch(es)*		-		•	•
Concentric form locking shaft and flange fixing		•		•	•
V-bolt clamp for damper shaft		•		•	•
Terminal connector		-		•	

* not continuous control

The perfect fit ...

Relays, solenoids and actuators from Gruner.

Gruner stands for flexibility, innovation and openness to electronics applications in the energy management, building management, drive technology and automotive sectors. In addition to actuators the product range includes solenoids and relays. With sites in Germany, Tunisia, Serbia and India, the company has a global presence. Find out more about the comprehensive Gruner portfolio online, at www.gruner.de



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Schalten und Bewegen