

*Flexibility moves.*



Actuators from Gruner  
Product overview damper actuators



## *When a suitable alternative is needed ...*

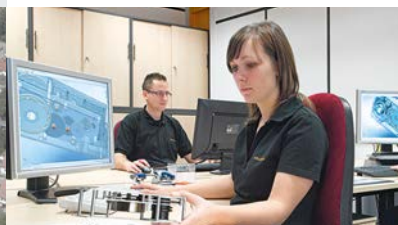
High-quality actuators, from classic to customized.

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 range of applications: damper actuators, volumetric flow and pressure controllers also with super fast runners, fire damper and smoke extraction damper actuators as well as ball valve actuators. OEM-specific solutions complete our portfolio.



### **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, UL certified types available
- Life time up-to 100'000 full cycles and 1'500'000 partial cycles



# Damper actuators.



	Rotary actuators		Fast runners rotary actuators		Super fast runners
<b>Type</b>	225	227	225	227	227
<b>Torque</b>	5 Nm	5 Nm 10 Nm 15 Nm	5 Nm	5 Nm 10 Nm	2 Nm 5 Nm 10 Nm 15 Nm
<b>Running time motor (90°)</b>	60–120 s	100–150 s	20–35 s	20 s	1–3 s
<b>Options</b>					
2/3-point	○	○	○	○	○
(0) 2...10 VDC	○	○	○	○	○
(0) 4...20 mA	○ w/DIP switch	○ w/500 Ω	○ w/DIP switch	○ w/500 Ω	○ w/500 Ω
Modbus RTU	○	○	○	○	○
<b>Nominal voltage</b>	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 %
Feedback potentiometer*	○	○	○	○	
Auxilliary switch(es)	○	○	○	○	
Concentric form locking shaft and flange fixing	○	○	○	○	○
V-bolt clamp for damper shaft	•	•	•	•	•

- Standard ○ possible
- \* not continuous control



	Rotary actuators		Rotary actuators with spring return		Spindle actuators
<b>Type</b>	315	363	341	361	309
<b>Torque</b>	4 Nm	20 Nm 30 Nm 40 Nm	3 Nm 5 Nm	10 Nm 20 Nm	150 N
<b>Running time motor (90°)</b>	150 s	60–150 s	40–100 s (⊙ < 20 s)	75–150 s (⊙ < 20 s)	40 mm/min
<b>Options</b>					
2/3-point	○	○	○/–	○/–	○
(0) 2...10 VDC	○	○	○	○	○
(0) 4...20 mA	○ w/500 Ω	○ w/DIP switch	○ w/500 Ω	○ w/DIP switch	○ w/500 Ω
Modbus RTU	○	○	○	○	○
<b>Nominal voltage</b>	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC	24 VAC/DC ± 20 % 85...265 VAC/DC
Feedback potentiometer*		○			
Auxilliary switch(es)		○	○	○	
Concentric form locking shaft and flange fixing	•				Stroke: 30/80/130/200 mm others on request
V-bolt clamp for damper shaft	○	•	•	•	

- Standard ○ possible
- \* not continuous control



## *The perfect fit ...*

Relays, solenoids and actuators from Gruner.

Gruner stands for flexibility, innovation and openness in electronic applications in the energy management, building management, drive technology and automotive sectors. In addition to actuators, the product range also includes solenoids and latching relays. With manufacturing locations in Germany, Tunisia, Serbia and India, the company has a worldwide presence. Find out more about the comprehensive Gruner product portfolio online at [www.gruner.de](http://www.gruner.de)

02/2018

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*Schalten und Bewegen*

