

GRUNER ACTUATORS

BOLDLY TAKES A POSITION WHERE OTHERS FEAR TO TREAD.

Gruner 328 CS/QS actuators – super-fast running actuators for reliable laboratory ventilation and enabling preventive maintenance.



SAFETY FOR LABORATORIES AND FUME HOODS

Gruner super-fast running actuators enable contaminated air to be extracted very rapidly and precisely. For even greater control precision, Gruner has developed its 328 CS and 328 QS super-fast running actuators with fail-safe function. These actuators feature high precision and a runtime of less than three seconds.



The optional serial interface on these super-fast running actuators has five times the resolution of analogue versions, enabling the throttle element to be positioned to a precision of $< 0.1^\circ$.

On the 328 QS actuators with fail-safe function, communication can be maintained for up to two minutes after power supply interruption. In addition, the design effectively prevents the setpoint value from being affected by electromagnetic interference. At the same time, the increased exchange of data through the digital interface provides great potential in relation to preventive maintenance.

BENEFITS OF THE GRUNER SUPER-FAST RUNNING ACTUATORS

- > Runtime 1s ... 5s
- > Specific motors
- > Brushless internal actuators
- > Ingenious activation algorithms
- > Precise positioning of the throttle element
- > Fail-safe system for reliable positioning when power supply is interrupted (only 328 QS)
- > Digital interface simplifies preventive maintenance
- > Long service life
- > Modbus RTU-capable
- > Optionally with safety position, freely programmable (only 328 QS)
- > Consistent size, also in the fail-safe version

TECHNICAL SPECIFICATIONS

Super-fast running actuators	without fail-safe function	with capacitor fail-safe function
Type	328 CS	328 QS
Torque	2 Nm - 1 s/90° 5 Nm - 2 s/90° 10 Nm - 3 s/90° 15 Nm - 5 s/90°	
Runtime (90°)	See above	
Options		
(0) 2...10 VDC (0) 4...20 mA Modbus RTU	<ul style="list-style-type: none"> • with 500 Ω resistance ◦ 	
Supply	24 VAC/DC	
Concentric form-fit connection with screw-on flanges	◦	
Universal clamping bracket		

• standard ◦ possible



328 CS



328 QS

GRUNER AG, headquartered in Wehingen with around 1,500 employees, based in Germany, Tunisia, Serbia and India, is a major manufacturer of actuators, relays and solenoids. Our system solutions for building management, the automotive industry and medical technology are in demand around the world, featuring compelling innovation and quality.

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