



# OpenAir

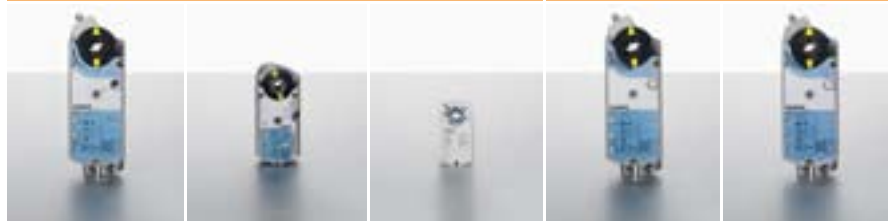
Air damper actuators for power and flexibility



# Actuators for ventilation

Rotary actuato

With spring-return











	GCA	GMA	GQD	GIB	GBB
<b>Product line</b>	GCA	GMA	GQD	GIB	GBB
<b>Torque</b>	18 Nm	7 Nm	2 Nm	35 Nm	25 Nm
<b>Force</b>					
<b>Damper surface</b>	3.0 m <sup>2</sup>	1.5 m <sup>2</sup>	0.3 m <sup>2</sup>	6.0 m <sup>2</sup>	4.0 m <sup>2</sup>
<b>Nominal angular rotation</b>	90°	90°	90°	90°	90°
<b>Nominal stroke</b>					
<b>Operating voltage AC 24 V</b>	■	■	■	■	■
<b>Operating voltage DC 24 V</b>	■	■	■		
<b>Operating voltage AC 230 V</b>	■	■	■	■	■
<b>Frequency</b>	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
<b>2-position control signal</b>	■	■	■		
<b>3-position control signal</b>	■	■	■	■	■
<b>Control signal DC 0...10 V</b>	■	■	■	■	■
<b>Feedback signal DC 0...10 V</b>	■	■	■	■	■
<b>Feedback signal 0...1000 Ohm</b>	■	■		■	■
<b>2 built-in adjustable auxiliary switches</b>	■	■		■	■
<b>Running time open / close (50 Hz)</b>	90 s	90 s	< 19 s / 30 s	150 s	150 s
<b>Closing time with spring</b>	15 s	15 s	15 s		
<b>Dimensions, round damper shaft</b>	8...25.6 mm	6.4...20.5 mm	8...15 mm	8...25.6 mm	8...25.6 mm
<b>Dimensions, square damper shaft</b>	6...18 mm	6.4...13 mm	6...11 mm	6...18 mm	6...18 mm



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Without spring-return

Linear actuators

							
GEB	GLB	GDB	GSD	GBB	GEB	GLB	GDB
15 Nm	10 Nm	5 Nm	2 Nm	550 N	400 N	250 N	125 N
3.0 m <sup>2</sup>	1.5 m <sup>2</sup>	0.8 m <sup>2</sup>	0.3 m <sup>2</sup>	4.0 m <sup>2</sup>	3.0 m <sup>2</sup>	1.5 m <sup>2</sup>	0.8 m <sup>2</sup>
90°	90°	90°	90°				
■	■	■	■	70 mm	60 mm	60 mm	60 mm
■	■	■	■	■	■	■	■
50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■
150 s	150 s	150 s	< 19 s	150 s	150 s	150 s	150 s
6.4...20.5 mm	8...16 mm	8...16 mm	8...15 mm				
6.4...13 mm	6...12.7 mm	6...12.7 mm	6...11 mm				



# Actuators for air volume controllers

OpenAir compact air volume controllers work with the highest degree of precision and stability and allow for fast and simple parameterization. Convenience – from installation to use.



Type reference	GLB181.1E/3	GDB181.1E/3	ASV181.1E/3
Nominal pressure	300 Pa	300 Pa	300 Pa
Torque	10 Nm	5 Nm	
Damper surface	1.5 m <sup>2</sup>	0.8 m <sup>2</sup>	
Nominal angular rotation	90°	90°	
Operating voltage AC 24 V	■	■	■
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
3-position control signal	■	■	■
Control signal DC 0...10 V	■	■	■
Feedback signal DC 0...10 V	■	■	■
Running time open / close (50 Hz)	150 s	150 s	
Dimensions, round damper shaft	8...16 mm	8...16 mm	
Dimensions, square damper shaft	6...12.7 mm	6...12.7 mm	

## Highlights

- High level of precision due to static measured value acquisition
- No aging and temperature drift as well as location independence due to automatic zero point calibration
- Easiest adjustment to VAV devices

# Actuators for fire protection dampers

OpenAir actuators for fire protection dampers are at the interface between highly integrated security systems and people. They work extremely reliably even in emergency situations. Fire and smoke remain at their source – for absolute safety.



Product line	GGA	GNA
Torque	18 Nm	7 Nm
Damper surface	2.5 m <sup>2</sup>	1.0 m <sup>2</sup>
Nominal angular rotation	90°	90°
Operating voltage AC 24 V	■	■
Operating voltage DC 24 V	■	■
Operating voltage AC 230 V	■	■
Frequency	50 / 60 Hz	50 / 60 Hz
2-position control signal	■	■
2 built-in auxiliary switches	■	■
Running time open / close (50 Hz)	90 s	90 s
Closing time with spring	15 s	15 s
Dimensions, square damper shaft	8,10,12,15 mm	8,10,12,15 mm
Thermal cut-out	■	■

## Highlights

- Powerful 7 or 18 Nm for opening and closing
- 2 powerful torques for additional safety
- Secure, easy-to-mount positive shaft collet (square)



The complete range of OpenAir damper actuators from Siemens – reliable, powerful and rugged for your secure long-term investment.

# Welcome to the world of innovative thinking

## ■ Innovation

Siemens invests a great deal in both manpower and research and development. This results in a steady stream of insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

## ■ Reliability

With a history of over hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

## ■ Comfort

Siemens products and solutions ensure comfort in your working and living environments. Today, tomorrow and for decades to come. That's why numerous customers around the world rely on Siemens.

## ■ Energy and ecological efficiency

Siemens helps save energy, protect our resources and reduce harmful emissions.

