

Siemens OpenAir Electronic Damper Actuators are designed for reliable operation, quick installation, and low power consumption. Features like self-centering shaft coupling and standard wiring across the product line help technicians install the actuators quickly and accurately. Ideal for any application, our damper actuators have all the power with a wide selection of torque and flexibility you expect from the name you trust, Siemens.

For more information, consult the Siemens Master HVAC Product Catalog (144-001) or visit us online at [www.usa.siemens.com/hvac](http://www.usa.siemens.com/hvac).

## Siemens Spring Return

Designed for UL listed smoke or combination fire/smoke rated dampers



**GQD Series**  
20 lb.-in. for approx.  
5 ft.<sup>2</sup> damper area



**GMA Series**  
62 lb.-in. for approx.  
16 ft.<sup>2</sup> damper area



**GCA Series**  
160 lb.-in. for approx.  
40 ft.<sup>2</sup> damper area



**GND Series**  
53 lb.-in. for approx.  
12 ft.<sup>2</sup> damper area



**GGD Series**  
142 lb.-in. for approx.  
36 ft.<sup>2</sup> damper area

Control Signal	On/Off 2P	On/Off 2P	Floating 3P	Modulating 2 to 10 VDC/10 to 2VDC	On/Off 2P	On/Off 2P	Floating 3P	Modulating 0-10 VDC	Modulating 2-10 VDC/10-2 VDC	Modulating 2-10 VDC	On/Off 2P	On/Off 2P	Floating 3P	Modulating 0-10 VDC	Modulating 0-10 VDC/2-10 VDC	On/Off 2P	On/Off 2P	On/Off 2P	On/Off 2P	On/Off 2P	On/Off 2P		
Voltage	24 VAC/DC	120 VAC	24 VAC/DC	24 VAC/DC	24 VAC/DC	120 VAC	24 VAC/DC	24 VAC/DC	24 VAC/DC	24 VAC/DC	24 VAC/DC	120 VAC	24 VAC/DC	24 VAC/DC	24 VAC/DC	24 VAC/DC	120 VAC	230 VAC	24 VAC	120 VAC	230 VAC		
Standard Model	GQD121.1P	GQD221.1U	GQD131.1P	GQD151.1P	GMA121.1U	GMA221.1U	GMA131.1U	GMA161.1U	GMA151.1U	GMA151.1U	GCA121.1U	GCA221.1U	GCA131.1U	GCA161.1U	GCA151.1U	GCA151.1U	GND121.1U	GND221.1U	GND321.1U	GGD121.1U	GGD221.1U	GGD321.1U	
Feedback Potentiometer (1K Ohm)							GMA132.1U						GCA132.1U	GCA132.1P									
Adj. Start/Span								GMA163.1U	GMA163.1P					GCA163.1U	GCA163.1P								
Adj. Start/Span with 2 Aux. Switches	GQD126.1P	GQD226.1U	GQD136.1P	GQD156.1P				GMA164.1U						GCA164.1U	GCA164.1P								
2 Aux. Switches					GMA126.1U	GMA126.1P	GMA226.1U	GMA136.1U	GMA166.1U	GMA156.1U	GMA156.1U	GCA126.1U	GCA226.1U	GCA136.1U	GCA166.1U	GCA156.1U	GCA156.1U	GND126.1U	GND226.1U	GND326.1U	GGD126.1U	GGD226.1U	GGD326.1U
Bulk packages (/B)	Bulk packages of 10				Bulk packages of 10				Bulk packages of 8				Bulk packages of 10				Bulk packages of 8						

## Siemens Non-Spring Return



**GDE Series**  
44 lb.-in. for approx.  
11 ft.<sup>2</sup> damper area



**GLB Series**  
88 lb.-in. for approx.  
22 ft.<sup>2</sup> damper area



**GEB Series**  
132 lb.-in. for approx.  
32 ft.<sup>2</sup> damper area



**GGB Series**  
221 lb.-in. for approx.  
55 ft.<sup>2</sup> damper area



**GIB Series**  
310 lb.-in. for approx.  
77 ft.<sup>2</sup> damper area

Control Signal	Floating 3P	Modulating 0-10 VDC	Floating 3P	Modulating 0-10 VDC	Floating 3P	Modulating 0-10 VDC/2-10 VDC	Floating 3P	Modulating 0-10 VDC	Floating 3P	Modulating 0-10 VDC		
Voltage	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC	24 VAC		
Standard Model	GDE131.1U	GDE161.1P	GLB131.1P	GLB161.1P	GEB131.1U	GEB161.1U	GGB131.1U	GGB161.1U	GIB131.1U	GIB161.1U		
Feedback Potentiometer (1K Ohm)	GDE132.1P		GLB132.1P		GEB132.1U		GGB132.1U	GGB132.1P	GIB132.1U	GIB132.1P		
Adj. Start/Span		GDE163.1P		GLB163.1P			GGB163.1U	GGB163.1P		GIB163.1U		
Adj. Start/Span with 2 Aux. Switches		GDE164.1P		GLB164.1P	GEB136.1U	GEB164.1U	GGB164.1U	GGB164.1P		GIB164.1U		
2 Aux. Switches	GDE136.1P	GDE166.1P	GLB136.1P	GLB166.1P			GGB136.1U	GGB166.1U	GIB136.1U	GIB166.1U		
Terminal Strips	GDE131.1T	GDE161.1T					GGB136.1P	GGB166.1P	GIB136.1P	GIB166.1P		
Bulk packages (/B)	Bulk packages of 24											

## Critical Control



**GNP Series**  
53 lb.-in. for approx.  
12 ft.<sup>2</sup> damper area



**GAP Series**  
53 lb.-in. for approx.  
12 ft.<sup>2</sup> damper area

Control Signal	Fail Safe	Fail in Place
	2P, Floating, 0-10 VDC, 2-10 VDC, 4-20 mA	2P, Floating, 0-10 VDC, 2-10 VDC, 4-20 mA
Voltage	24 VAC/DC	24 VAC/DC
Standard Model	GNP191.1P	GAP191.1P
Aux. Switches	GNP196.1P	GAP196.1P
Timing	2 Seconds	2 Seconds

### Key

P - Plenum cable  
U - Standard cable  
\*based on 4 lb.-in./ft.<sup>2</sup>

## Cross Reference

SIEMENS	Belimo	Johnson	Honeywell
GQD121.1P	TF24	M9203-BGA-2	MS8105A1008
GQD221.1U	TF120	M9203-BUA-2	MS4105A1002
GQD131.1P	TF24-3	M9203-AGB-2	MS7505A2008
GQD151.1P	TF24-SR	M9203-GGB-2	MS7505A2008
SIEMENS	Belimo	Johnson	Honeywell
GMA121.1U/P	LF24/NF24	M9206-BGA-2S	MS8110A1008
GMA221.1U	LF120/NF120	M9206-BAA-2S	MS4110A1002
GMA131.1U/P	LF24-3	M9206-AGA-2S	MS7510A2008
GMA161.1U/P	LF24-SR/NF24-SR	M9206-GGA-2S	MS7510A2008
SIEMENS	Belimo	Johnson	Honeywell
GCA121.1U/P	AF24	M9220-BGA-3	MS8120A1007
GCA221.1U	AF120	M9220-BAA-3	MS4120A1001
GCA131.1U/P	AF24-3	M9220-AGA-3	MS7520A2007
GCA161.1U/P	AF24-SR	M9220-GGA-3	MS7520A2007
SIEMENS	Belimo	Johnson	Honeywell
GND121.1U	FSLF24	—	ML8115B
GND221.1U	FSLF120	—	ML4115B
GND321.1U	FSLF230	—	ML4115D
SIEMENS	Belimo	Johnson	Honeywell
GGD121.1U	FSAF24	—	MS8209F
GGD221.1U	FSAF120	—	MS4209F
GGD321.1U	FSAF230	—	MS4709F
SIEMENS	Belimo	Johnson	Honeywell
GDE131.1U/P	LMB24-3	M9104-AGA-2N	MN6105A1011
GDE136.1P	LMB24-3-S	M9106-AGC-2	MN6105A1201
GDE161.1P	LMB24-SR	M9106-GGA-2	MN7505A2001
GDE166.1P	LMB24-SR+S2A	M9106-GGC-2	MN7505A2009
SIEMENS	Belimo	Johnson	Honeywell
GLB131.1P	NMB24-3	M9109-AGA-2	MN6110A1003
GLB136.1P	NMB24-3+S2A	M9109-AGC-2	MN6110A1201
GLB161.1P	NMB24-SR	M9109-GGA-2	MN7510A2001
GLB166.1P	NMB24-SR+S2A	M9109-GGC-2	MN7510A2209
SIEMENS	Belimo	Johnson	Honeywell
GEB131.1P	—	M9116-AGA-2	—
GEB136.1U	—	M9116-AGC-2	—
GEB161.1P	—	M9116-GGA-2	—
GEB164.1U	—	M9116-GGC-2	—
SIEMENS	Belimo	Johnson	Honeywell
GGB131.1U/P	AMB24-3	M9124-AGA-2	MN6120A1002
GGB136.1U/P	AMB24-3-S	M9124-AGC-2	MN6120A1200
GGB161.1U/P	AMB24-SR	M9124-GGA-2	MN7220A2007
GGB166.1U/P	AMB24-SR+S2A	M9124-GGC-2	MN7220A2205
SIEMENS	Belimo	Johnson	Honeywell
GIB131.1U/P	GMB24-3	M9132-AGA-2	MN6134A1003
GIB136.1U/P	GMB24-3+S2A	M9132-AGC-2	MN6134A1003+SW2
GIB161.1U/P	GMB24-SR	M9132-GGA-2	MN7234A2008
GIB166.1U/P	GMB24-SR+S2A	M9132-GGC-2	MN7234A2008+SW2