
















Actuators for HVAC applications		Control signal	Operating voltage	Standard model	Feedback potentiometer (1 kOhm)	Adjustable start/span	Adjustable start/span with 2 auxiliary switches	Feedback (1 kOhm) with 2 auxiliary switches	2 auxiliary switches	Dimensions, round damper shaft (mm)	Dimensions, square damper shaft (mm)
<b>Damper actuators with spring return (SR)</b>											
	<b>GQD series</b> 2 Nm for approx. 0.3 m <sup>2</sup> damper area 30 s running time 15 s SR time	2-position	AC/DC 24 V AC 230 V	GQD121.1A GQD321.1A	–	–	–	–	GQD126.1A GQD326.1A GQD136.1A	8...15	6...11
		3-position	AC/DC 24 V	GQD131.1A	–	–	–	–	–		
		Modulating DC 0...10 V	AC/DC 24 V	GQD161.1A	–	–	–	–	GQD166.1A		
	<b>GNP series</b> 6 Nm for approx. 1 m <sup>2</sup> damper area 2 s running time el. fail-safe function	2-position	AC/DC 24 V	GNP191.1E	–	–	–	–	GNP196.1E	6.4...20.5	6.4...13
		3-position	AC/DC 24 V	GNP191.1E	–	–	–	–	GNP196.1E		
		Modulating DC 0/2...10 V 0/4...20 mA	AC/DC 24 V	GNP191.1E	–	–	–	–	GNP196.1E		
	<b>GMA series</b> 7 Nm for approx. 1.5 m <sup>2</sup> damper area 90 s running time 15 s SR time	2-position	AC/DC 24 V AC 230 V	GMA121.1E GMA321.1E	–	–	–	–	GMA126.1E GMA326.1E	6.4...20.5	6.4...13
		3-position	AC/DC 24 V	GMA131.1E	GMA132.1E	–	–	–	GMA136.1E		
		Modulating DC 0...10 V	AC/DC 24 V	GMA161.1E	–	GMA163.1E	GMA164.1E	–	GMA166.1E		
	<b>GCA series</b> 18 Nm for approx. 3 m <sup>2</sup> damper area 90 s running time 15 s SR time	2-position	AC/DC 24 V AC 230 V	GCA121.1E GCA321.1E	–	–	–	–	GCA126.1E GCA326.1E	8...25.6	6...18
		3-position	AC/DC 24 V	GCA131.1E	–	–	–	GCA135.1E	–		
		Modulating DC 0...10 V	AC/DC 24 V	GCA161.1E	–	GCA163.1E	GCA164.1E	–	GCA166.1E		
<b>Damper actuators without spring return (SR)</b>											
	<b>GSD series</b> 2 Nm for approx. 0.3 m <sup>2</sup> damper area 30 s running time	2-position On/Off (1-wire SPST)	AC/DC 24 V AC 230 V	GSD121.1A GSD321.1A	–	–	–	–	GSD126.1A GSD326.1A	8...15	6...11
	<b>GDB series</b> 5 Nm for approx. 0.8 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GDB131.1E GDB331.1E	GDB132.1E GDB332.1E	–	–	–	GDB136.1E GDB336.1E	8...16	6...12.8
		Modulating DC 0...10 V	AC 24 V	GDB161.1E	–	GDB163.1E	GDB164.1E	–	GDB166.1E		
	<b>GLB series</b> 10 Nm for approx. 1.5 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GLB131.1E GLB331.1E	GLB132.1E GLB332.1E	–	–	–	GLB136.1E GLB336.1E	8...16	6...12.8
		Modulating DC 0...10 V	AC 24 V	GLB161.1E	–	GLB163.1E	GLB164.1E	–	GLB166.1E		
	<b>GAP series</b> 6 Nm for approx. 1 m <sup>2</sup> damper area 2 s running time	2-position	AC/DC 24 V	GAP191.1E	–	–	–	–	GAP196.1E	6.4...20.5	6.4...13
		3-position	AC/DC 24 V	GAP191.1E	–	–	–	–	GAP196.1E		
		Modulating DC 0/2...10 V 0/4...20 mA	AC/DC 24 V	GAP191.1E	–	–	–	–	GAP196.1E		
	<b>GEB series</b> 15 Nm for approx. 3 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GEB131.1E GEB331.1E	GEB132.1E GEB332.1E	–	–	–	GEB136.1E GEB336.1E	6.4...20.5	6.4...13
		Modulating DC 0...10 V	AC 24 V	GEB161.1E	–	GEB163.1E	GEB164.1E	–	GEB166.1E		
	<b>GGB series</b> 25 Nm for approx. 4 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GGB131.1E GGB331.1E	–	–	–	GGB135.1E GGB335.1E	GGB136.1E GGB336.1E	8...25.6	6...18
		Modulating DC 0...10 V	AC 24 V	GGB161.1E	–	GGB163.1E	GGB164.1E	–	GGB166.1E		
	<b>GIB series</b> 35 Nm for approx. 6 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GIB131.1E GIB331.1E	–	–	–	GIB135.1E GIB335.1E	GIB136.1E GIB336.1E	8...25.6	6...18
		Modulating DC 0...10 V	AC 24 V	GIB161.1E	–	GIB163.1E	GIB164.1E	–	GIB166.1E		
	<b>GDB series</b> 125 N for approx. 0.8 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GDB131.2E GDB331.2E	GDB132.2E GDB332.2E	–	–	–	GDB136.2E GDB336.2E	–	–
		Modulating DC 0...10 V	AC 24 V	GDB161.2E	–	GDB163.2E	GDB164.2E	–	GDB166.2E		
	<b>GLB series</b> 250 N for approx. 1.5 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GLB131.2E GLB331.2E	GLB132.2E GLB332.2E	–	–	–	GLB136.2E GLB336.2E	–	–
		Modulating DC 0...10 V	AC 24 V	GLB161.2E	–	GLB163.2E	GLB164.2E	–	GLB166.2E		
	<b>GEB series</b> 400 N for approx. 3 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GEB131.2E GEB331.2E	GEB132.2E GEB332.2E	–	–	–	GEB136.2E GEB336.2E	–	–
		Modulating DC 0...10 V	AC 24 V	GEB161.2E	–	GEB163.2E	GEB164.2E	–	GEB166.2E		
	<b>GGB series</b> 550 N for approx. 4 m <sup>2</sup> damper area 150 s running time	3-position	AC 24 V AC 230 V	GGB131.2E GGB331.2E	–	–	–	GGB135.2E GGB335.2E	GGB136.2E GGB336.2E	–	–
		Modulating DC 0...10 V	AC 24 V	GGB161.2E	–	GGB163.2E	GGB164.2E	–	GGB166.2E		