



Environmental Product Declaration

Product	Type of equipment / Product No.	GDBxxx.9x/xx GLBxxx.9x/xx GLDxxx.9x/xx	Ball Valve Actuator; 5Nm Ball Valve Actuator; 10Nm Ball Valve Actuator; 8Nm
	Product line	Ball Valve Actuator Baby GAP MK3	
	Process control	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 CH-6300 Zug	
	Management System	since	by
	ISO 14001 (Environment)	20.10.1998	SQS
	ISO 9001 (Quality)	22.07.1986	SQS
Environmentally compatible product design	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
Product use	Typical energy consumption	variant *) see below Energy consumption is between 0.6 and 7 kWh/a (depending mainly on running time of the actuator)	
	Maintenance	Not necessary None	
	Risk of fire	Fire protection according to Fire load	EN 60730 & UL 60730 9MJ
Packaging	20-PAP Corrugated fiber board	Cardboard & Paper	40g
	22-PAP paper	Label	1g
	22-PAP paper	Installation Instruction	16g
	Notes on disposal	One-way, recyclable	
Materials	Total weight of device	variant *) see below	
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
Plastics	POM; halogen-free	Various Gears, Indicator	10g
	PC; halogen-free	Cover	47g
	PC; GF 10%; halogen-free	Housing & Various Mech. Parts	67g
	ABS; halogen-free	Various Mechanical Parts	2g
	PA66; AF 20%; halogen-free	Various Gears	variant
	PA66; halogen-free	Gear Wheel 3	7g
	POM; GF 25%; halogen-free	CW/CCW Switch	variant
	EPDM+PP (TPV); halogen-free	Various Sealing Parts	1g
	PBT FR(17); GF 30%; halogenated	Various Parts Ball Valve Kit	127g

Metals	Steel; zinc plated	Gear Plate, Square Nut, Socket Head Screw	153g
	Steel	Axles, Plate Spring	6g
	CuZn	Hexagon Nut	1g
	Sintered Steel	Various Gears	variant
	Zinc die cast	Universal Shaft	88g
	Steel stainless	Various Parts Bal Valve Kit	4g
Others	Steel, Copper, PCB	Motors	variant
	PVC	PVC Cable Switch	
	PVC	PVC Cable Power	68g
	Grease with PTFE	Grease Kluebersynth LI44-22	2g
	Grease with PTFE	Grease Klueberpaste 46 MR 401	2g
	Grease	Grease Polylub GLY510	1g
	Grease with PTFE	Grease Kluebersynth VR 69-252	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	variant

***Variant parts list**

	GDBxxx.9x/xx	GLBxxx.9x/xx	GLDxxx.9x/xx										
[g]													
Total weight of device	707	719	720										
Various Gears	2	4	4										
CW/CCW Switch	0												
Various Gears	69	75	75										
Motors	31	31	32										
PCBA	28	32	32										

Typical energy consumption

[kWh/a]	2	7	2										
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Disposal

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive.

Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

(Status according to the creation date of this document.)

The device is free from substances which interfere with lacquer wetting.

The device is halogen-free with exception of:

PVC cable; PCB (TBBA); Various Parts Ball Valve Kit PBT GF30 FR(17); flame retardants; Grease (PTFE)

Further notes and comments:

SPECIAL COMPONENTS:

PVC POWER CABLE: 1.5m => +35g / 2.5m => +105g / 5m => +280g

PVC OPT. POTENTIOMETER CABLE: 1.5m => +35g / 2.5m => +105g / 5m => +280g

Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens Schweiz AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.

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