



Environmental Product Declaration

Product	Type of equipment / Product No.	GDBxxx.9x/xx GLBxxx.9x/xx GLDxxx.9x/xx GLA161.9E/HR	Ball Valve Actuator; 5Nm Ball Valve Actuator; 10Nm Ball Valve Actuator; 8Nm Ball Valve Actuator ; 10Nm
	Product line	Ball Valve Actuator Baby GAP MK3	
	Process control	Siemens Schweiz AG Building Technologies Division Theilerstrasse 1a 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	EN 60730 & UL 60730	
	Fire load	variant *) see below	
Packaging	20-PAP Corrugated fiber board	Cardboard & Paper	variant
	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
	PA6; halogen-free	Cable Gland M16 variant
	PA6; halogen-free	Cable Gland M20 variant
	PA6T/6I; GF 50%; halogen-free	Universal Shaft 19g
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
	Steel stainless	Various Parts Bal Valve Kit variant
Others	Steel, Copper, PCB	Motors variant
	PVC	PVC Cable Switch
	PVC	PVC Cable Power 68g
	Grease with PTFE	Lubricant 4g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA variant

***Variant parts list**

	GDBxxx.9x/xx	GLBxxx.9x/xx	GLDxxx.9x/xx	GLA161.9E/HR								
Total weight of device [g]	638	650	651	669								
Various Gears	2	4	4	4								
CW/CCW Switch	0											
Cable Gland M16				8								
Cable Gland M20				11								
Various Gears	69	75	75	75								
Various Parts Bal Valve Kit	3	3	3	3								
Motors	31	31	32	31								
PCBA	28	32	32	32								
Fire load [MJ]	9	10	10	10								
Typical energy consumption [kWh/a]	2	7	2	2								
Packaging												
Cardboard & Paper [g]	39	39	39	91								

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. 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; Lubricant (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.