



Environmental Product Declaration

Product	Type of equipment / Product No.	GSD161.9A	Damper Actuator; 2Nm
	Product line	Ball Valve Actuator GAP Tiny MK3 / OpenAirTM	
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	3kWh/a	
	Maintenance	Not necessary	
		None	
Risk of fire	Fire protection according to	EN 60730 & UL 60730	
	Fire load	10MJ	
Packaging	20-PAP Corrugated fiber board	Cardboard	104g
	22-PAP paper	Label	1g
	22-PAP paper	Installation Instruction	16g
	Notes on disposal	One-way, recyclable	
Materials	Total weight of device	552g	
	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 parts and gears	16g
	POM TD5; halogen-free	Bearing Ring; Gear Fixation Wedge	2g
	PC; halogen-free	Housings	136g
	PA6T/66 GF50; GF 50%; halogen-free	Gear Segment NSR	13g
	TPV; halogen-free	Lock Cover 2	1g
	TPS SEBS; halogen-free	Bearing Ring, sealings	2g
	PBT GF30 FR(17); GF 30%; halogenated	Various parts Ball Valve Kit	103g
Metals	Sintered steel	Pinion	3g
	Steel	Various metal parts	7g
	Steel; zinc plated	Various metal parts	49g
	Die casting zinc	Shaft Ball Valve Kit	94g

Others	Steel, Copper, PCBA	Motor	30g
	PVC / Copper	PVC Cable power	68g
	PVC / Copper	PVC Cable motor	2g
	Grease with PTFE	Grease Kluebersynth LI44-22	1g
	Grease	Grease Kluebersynth BLR 46-122	1g
	Grease with PTFE	Grease Kluebersynth VR 69-252	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	30g

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:

PCB (TBBA); Ball Valve Kit (Flame retardants); Grease (PTFE); Cables (PVC)

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.