



Environmental Product Declaration

Product	Type of equipment / Product No.		
	Designation	Electromotoric actuator	
	Product line, Product range	Acvatix TM	
Process control	Beijing Siemens Cerberus Electronic Ltd. Building Technologies Divison No.1 Fengzhi East Road, Xi Bei Wang, HaiDian District, Beijing 100094, China		
	Management System	since	by
	ISO 9001 (Quality)	01-June-2001	LPCB
	ISO 14001 (Environment)	07-May-2005	SGS
	OHSAS 18001 (OH&S)	12-December-2011	SGS
	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 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
Product use	Typical energy consumption	variant *) see below	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60730-1	
	Fire load	variant *) see below	
Packaging	Corrugated paperboard	Folding Box	71g
	Paper	MI	1g
	Notes on disposal	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	Gears, Connector	7g
	ABS+PC	Cover, Housing	variant
	PPS; GF 40%	Arm, Nut, Upper plate	variant
	PBT; GF 30%	Lower plate, Nut connector, Front cover	variant
	PEEK; GF 30%	Spindle	2g
	PA66; AF 20%	Screw shaft	5g
	PC	light guild	2g
	TPV	Rubber cap	1g
	PC; GF 20%	Conduit Cover_ M16X1.5	variant
Metals	Steel stainless	Shaft, Arm, Spring, Washer, Hexagon	
			3g

Others	Steel; Zinc phosphated	Screw, Dowel pin	5g
	CuZnPb	Check bolt	1g
	Steel; galvanized	PT bolt	6g
	Steel stainless	plate and ball retainer compl.	3g
	Steel	Nut G3/4"	variant
	Brass	Nut G3/4"	variant
	Synthetic hydrocarbon oil plus solid lubricants	Grease	1g
	Ethyl Cyanoacrylate	Glue	1g
	Cu/Steel	Motor	21g
		motor cable	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	Terminal	variant
		main PCB	variant
Special components (part of the assembled PCB)	PCB > 10 cm²	FR4	1pcs

Weights in brackets are already included in components declared under materials. (part of the assembled PCB)

*Variant parts list

	[g]	SSB161.05UT	SSC161.05UT	SSF161.05HF/00	SSB161.05HF/00	SSC161.05HF/00
Total weight of device		223	276	205	208	230
ABS+PC		77	84	78	78	78
PPS; GF 40%		26	19	26	26	19
PBT; GF 30%		30	57	26	30	29
PC; GF 20%		11				
Steel						29
Brass			32			
		5	6			
FR4; TBBA; solder SnAgCu		21	24	22	22	22
Fire load	[MJ]	5	6	5	5	5

Typical energy consumption

[kWh/a]	26.280	30.660	26.280	26.280	30.660
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Disposal



The symbol or any other national label indicates the product, its packaging and where applicable, any removed batteries may not be disposed as part of normal waste. Delete any personal data and dispose of the item via separate collection and recycling facilities in accordance with local and national regulations. For additional details, refer to www.siemens.com/bt/disposal.

For country-specific requirements regarding further disposal information:
<http://www.siemens.com/download?A6V13734633>

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

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

The device contains the following substances of the candidate list meeting the criteria laid down in Article 57 of Regulation (EC) 1907/2006 and identified in accordance with Article 59(1) of EU REACH concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, including those which will become known at a later date, are listed on the delivery note.

Lead, CAS-Nr.7439-92-1

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

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.

Beijing Siemens Cerberus Electronic Ltd. 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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