



Environmental Product Declaration

Product

Type of equipment / SSA...
Product No.

Designation Modulating room actuator

Product line, product r: Acvatix TM

Process control

Beijing Siemens Cerberus Electronic Ltd.
Building Technologies Division
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Management System	since	by
ISO 9001 (Quality)	06.01.2001	LPCB
ISO 14001 (Environment)	05.07.2005	SGS

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 (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
Notes on disposal	recyclable	

Materials

Total weight of device	variant *) see below
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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
Steel; Zinc phosphated	Screw, Dowel pin	5g
CuZnPb	Check bolt	1g
Steel; galvanized	PT bolt	6g

Building Parts

Others	Synthetic hydrocarbon oil plus solid lubricants	Grease	1g
	Ethyl Cyanoacrylate	Glue	1g
	PVC/Cu	Cable	variant
	Cu/Steel	Motor	21g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	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

	S55180-A148	S55180-A149	S55180-A145	S55180-A146	S55180-A147		
Total weight of device	223	276	205	208	230		
POM	6	6	6	6	6		
ABS+PC	77	84	78	78	78		
PPS; GF 40%	26	19	26	26	19		
PBT; GF 30%	30	57	26	30	29		
PEEK; GF 30%	1	1	1	1	1		
PA66; AF 20%	5	5	5	5	5		
PC	2	2	2	2	2		
PC; GF 20%	11						
Steel; Zinc phosphated	5	5	5	5	5		
PVC/Cu							
Cu/Steel	21	21	21	21	21		
FR4; TBBA; solder SnAgCu	21	24	22	22	22		
Typical energy consumption							
[kWh/a]	27	31	27	27	31		

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. 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, 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 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. 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.