



Environmental Product Declaration

Product

Type of equipment / SSA...
Product No.

Designation Modulating room actuator

Product line, Acvatix TM
Product range

Process control

Beijing Siemens Cerberus Electronic Ltd.
Building Technologies Division
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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

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	68g
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	variant
ABS+PC	Cover, Housing	variant
PPS; GF 40%	Arm, Nut, Upper plate	variant
PBT; GF 30%	Upper plate, Lower plate, Nut connector	variant
PA9T/CuZn; GF 35%	Spindle	variant
PEEK; GF 30%	Spindle	variant

Metals	PA66; AF 20%	Screw shaft	variant
	PC	light guild	1g
	TPV	Rubber cap	variant
	Steel stainless	Shaft, Arm, Spring, Washer, Hexagon	4g
	Steel; Zinc phosphated	Screw, Dowel pin	variant
	CuZnPb	Check bolt	1g
	Steel; galvanized	PT bolt	4g
Others	Synthetic hydrocarbon oil plus solid lubricants	Grease	1g
	Ethyl Cyanoacrylate	Glue	1g
	PVC/Cu	Cable	variant
	Cu/Steel	Motor	variant
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	main PCB	variant
Special components (part of the assembled PCB)	PCB > 10 cm ²	FR4	1pcs

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

*Variant parts list

	SSA331.00	SSA131.00	SSA161.05	SSA161.05HF	SSA161E.05HF	SSA151.05HF	SSA118.09HKN	SSA161.05HF/EXA
Total weight of device [g]	265	219	210	239	239	239	224	293
POM	7	7	6	7	7	7	9	7
ABS+PC	53	53	55	56	56	56	56	56
PPS; GF 40%	9	9	7	7	7	7	23	7
PBT; GF 30%	45	45	43	43	43	43	26	43
PA9T/CuZn; GF 35%	1	1	1					
PEEK; GF 30%				1	1	1	1	1
PA66; AF 20%	3	3	3	5	5	5	5	5
TPV				1	1	1	1	1
Steel; Zinc phosphated				3	3	3	3	3
PVC/Cu	86	50	51	71	71	71	55	125
Cu/Steel	27	27	20	20	20	20	20	20
FR4; TBBA; solder SnAgCu	26	16	16	18	18	18	16	18
Fire load [MJ]	5	5	5	5	5	5	5	6
Typical energy consumption [kWh/a]	61.320	7.008	21.900	21.900	21.900	21.900	3.680	21.900

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)

Smart Infrastructure
Building Products

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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