SIEMENS

Smart Infrastructure
Building Products

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product

Type of equipment / Product No.	SS…
Designation	Modulating room 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

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

Product use

Typical energy consumption	0.029kWh/a
Maintenance	Not necessary

Risk of fire

Fire protection according to	EN 60730-1
Fire load	variant *) see below

Packaging

Corrugated paperboard	Folding Box	58g
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 terminal cover	79g
	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	variant
	TPV	Rubber cap	1g
Metals	Steel stainless	Shaft, Arm, Spring, Washer, Hexagon	6g
	Steel	Screw, Dowel pin	5g
	CuZnPb	Check bolt	1g
	Steel stainless	plate and ball retainer compl.	3g
	brass	Connector nut brass G3/4"	
	brass	Nut_brass_ M30X1.5_SSA…	
	Steel	Nut G3/4"	variant
	Steel	PT bolt	variant
Others	Synthetic hydrocarbon oil plus solid lubricants	Grease	2g
	Ethyl Cyanoacrylate	Glue	
	PVC/Cu	Cable	variant
	Cu/Steel	Motor	27g
		motor cable	
		terminal	variant
PCBAs (Printed Circuit Board assembled)	FR4	main PCB	30g
Special components (part of the assembled PCB)	PCB > 10 cm²	FR4	

***Variant parts list**

[g]	SSC331.09H	SSF331.09H	SSB331.09H	SSF331.09H/00	SSB331.09H/00	SSC331.09H/00	SSC331.09UT	SSB331.09UT
Total weight of device	351	325	329	221	224	246	262	240
PPS; GF 40%	21	28	28	28	28	21	21	28
PBT; GF 30%	29	25	29	25	29	29	29	29
PC	2	2	2	2	2	2	13	13
Steel	29					29	29	
Steel	5	5	5	4	4	4	4	4
PVC/Cu	104	104	104					
							5	5
Fire load [MJ]	5	5	5	5	5	5	5	6

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 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.

--.--.----