



Environmental Product Declaration

Product	Type of equipment / Product No.	SFA21/18	Zone Valve Actuator
		SFA71/18	Zone Valve Actuator
		SFP21/18	Zone Valve Actuator
		SFP71/18	Zone Valve Actuator
		SFA11UG	Zone Valve Actuator
		SFA71UG	Zone Valve Actuator
		SFP11UG	Zone Valve Actuator
Product	Type of equipment / Product No.	SFAx1/18, SFPx1/18, SFAx1UG, SFPx1UG	Zone Valve Actuator
	Designation	Zone Valve Actuator	
	Product line, product range Acvatix TM		
Process control	Siemens Ltd. Seoul Building Technologies Division 343-1, Gunha-Ri, Wolgot-Myun Korea, Gimpo-Shi, Kyounggi-Do		
	Management System	since	by
	ISO 9001 (Quality)	12.09.2003	C1
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	32kWh/a	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60730-1	
	Fire load	6MJ	
Packaging	20-PAP Corrugated fibreboard	Folded box	72g
	Notes on disposal	recyclable	
Materials	Total weight of device	636g	
		The total weight of a device may deviate from the total of the weights of all individual components due to rounding.	
Plastics	PBT; halogen-free	Body	75g
	PBT; halogen-free	Cover	40g
	PC; halogen-free	Handmanoeuvre	6g
	PBT; GF 15%; halogen-free	Rotary cam	12g
	PA; GF 40%; halogen-free	Gearwheel	6g
	PA; GF 40%; halogen-free	Pinion	3g

Metals	PA; GF 40%; halogen-free	Clutchbush	2g
	POM; halogen-free	Ballcage	3g
	Al	Distanceplate	46g
	CuSn	Bearingplate	4g
	Cu	Spindlerest	1g
	Steel stainless; zinc plated	Powerspring	48g
	Steel; zinc plated	Screws	9g
	Steel; nickel plated	Wrap spring	2g
	Cu; nickel plated	Cup Nut	12g
	Steel stainless; nickel plated	Washer	4g
Others	Motors	263g	
	External electric cables / wires	100g	
PCBAs (Printed Circuit Board assembled)			
Special components (part of the assembled PCB)	Ribbon cable, 5Cm	PVC / Cu	1pcs

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

***Variant parts list**

	SFA21/18	SFA71/18	SFP21/18	SFP71/18	SFA11UG	SFA71UG	SFP11UG	SFP71UG				
Total weight of device [g]	636	636	636	636	636	636	636	636				
Body	75	75	75	75	75	75	75	75				
Cover	40	40	40	40	40	40	40	40				
Handmanoeuvre	6	6	6	6	6	6	6	6				
Rotary cam	12	12	12	12	12	12	12	12				
Gearwheel	6	6	6	6	6	6	6	6				
Pinion	3	3	3	3	3	3	3	3				
Clutchbush	2	2	2	2	2	2	2	2				
Ballcage	3	3	3	3	3	3	3	3				
Distanceplate	46	46	46	46	46	46	46	46				
Bearingplate	4	4	4	4	4	4	4	4				
Spindlerest	1	1	1	1	1	1	1	1				
Powerspring	48	48	48	48	48	48	48	48				
Screws	9	9	9	9	9	9	9	9				
Wrap spring	2	2	2	2	2	2	2	2				
Cup Nut	12	12	12	12	12	12	12	12				
Washer	4	4	4	4	4	4	4	4				
Motors	263	263	263	263	263	263	263	263				
External electric cables / wires	100	100	100	100	100	100	100	100				
Fire load [MJ]	6	6	6	6	6	6	6	6				
Typical energy consumption [kWh/a]	32	32	32	32	32	32	32	32				
Special components (part of the Ribbon cable, 5Cm) [pcs]	1	1	1	1	1	1	1	1				
Packaging												
Folded box [g]	72	72	72	72	72	72	72	72				

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, including the 4 phthalates added to Annex II in 2015.

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. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

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

The device is halogen-free.

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 Ltd. Seoul 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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