



## Environmental Product Declaration

<b>Product</b>	Type of equipment / Product No.	STA..3.. STP..3..	
	Designation	Electrothermal actuators for radiator, small, and zone valves	
	Product line	Acvatix - Valves & Actuators	
<b>Process control</b>	Siemens Schweiz AG Gubelstrasse 22 CH-6301 Zug		
	Management System	since by	
	ISO 14001 (Environment)	<b>20.10.1998 SQS</b>	
	ISO 9001 (Quality)	<b>22.07.1986 SQS</b>	
<b>Environmentally compatible product design</b>	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 Siemens Standard SN 36350 "Environmentally compatible products".		
<b>Product use</b>	Typical energy consumption	0 ... 5kWh/a Duty cycle:1600h/year (200 Days; 16h / Day; 3 Cycles / H; 10min duty cycle)	
	<b>Risk of fire</b>	Fire protection according to Fire load	EN 60730-1 3MJ
<b>Packaging</b>	21-PAP Fiber board	Folding box (single pack)	23g
	21-PAP Fiber board	Folding box (connection cable)	11g
	22-PAP paper	Mounting instructions sheet	4g
	Notes on disposal	One-way, recyclable	
<b>Materials</b>	Total weight of device	135 ... 162g	
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
<b>Plastics</b>	PA6; GF 25%; halogen-free	Housing lower part	23 ... 24g
	PA6; GF 25%; halogen-free	Bayonet adapter	10g
	PA6; GF 25%; halogen-free	Stroke part	13 ... 15g
	PA66; GF 45%; halogen-free	Balancing bush	5 ... 6g
	PA66; GF 45%; halogen-free	Balancing pin	3g
	PA66; GF 45%; halogen-free	Pressure bush	5 ... 6g
	PBT; GF 30%	Bayonet ring M30x1.5	0 ... 5g
	PA6; GF 25%; halogen-free	Hood	9g
	PA	Socketing (Macromelt)	3 ... 7g
	PC; GF 20%	Bayonet ring M30x1.5 high	0 ... 6g
	PA6; GF 25%; halogen-free	Range extension	0 ... 2g

	PA6; GF 25%; halogen-free	Terminal housing 2P/HK	0 ... 5g
	PA6; GF 25%; halogen-free	Terminal housing 0-10V	0 ... 5g
Metals	CuZn	Contact latch NO	variant
	CuZn	Contact latch NC	variant
	CuZn	Waxelement housing	9g
	Stahl CrNi	Waxelement Spindle	2g
	Stahl; zinc plated	Pressure spring Stroke 120N	variant
	Stahl; zinc plated	Pressure spring Stroke Hub 90N	variant
	Stahl; zinc plated	Pressure spring SK NC	variant
	Stahl CrNi	Pressure spring SK NO	variant
Others	Ceramic	PTC-Element	2g
	CU/PVC	Connection cable / 2 wires 1m	variant
	CU/PVC	Connection cable / 3 wires 2m	variant
PCBAs (Printed Circuit Board assembled)	FR4; solder SnAgCu	Modulating unit with position feedback	variant

### \*Variant parts list

	STA23	STA73	STP23	STP73	STA63	STP63	STA23HD	STA73HD
Contact latch NO	1	1			1		1	1
Contact latch NC			1	1		1		
Pressure spring Stroke 120N	12	12	12	12	12	12		
Pressure spring Stroke Hub 90N							11	11
Pressure spring SK NC	1	1			1		1	1
Pressure spring SK NO			1	1		1		
Connection cable / 2 wires 1m	32	32	32	32			26	26
Connection cable / 3 wires 2m					49	49		
Modulating unit with position feedback					4	4		

### Disposal

The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

### Comments

#### EU-directive 2002/95/EC (RoHS)

The device is free from substances banned by the EU-Directive 2002/95/EC (RoHS) - allowing for the exemptions acc. to Decision 2010/571/EU:

Pb, Hg, Cr6+, PBB, PBDE: <0.1% by weight in homogeneous materials

Cd: <0.01% by weight in homogeneous materials

#### 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.

Status according to the creation date of this document.

The device is halogen-free with exception of:

PVC-Kabel

#### 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 Schweiz AG 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.