



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>Electromechanical actuator, type SSC</b>
	Designation	<b>SSC31, SSC319, SSC61, SSC61.5, SSC619, SSC61.5UG, SSC61UG, SSC81, SSC819, SSC81.5UG, SSC81UG</b>
	Product range	<b>Valves and actuators</b>

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<b>Process control</b>	Siemens AB		
	SE-141 87 Huddinge		
	Management system certified	Since	by
	ISO 14001 (environment)	<b>31 Oct. 1996</b>	<b>SIS</b>
		<b>(1 Sept. 2002</b>	<b>SEMKO-DEKRA)</b>
	ISO 9001 (quality)	<b>23 Nov. 1988</b>	<b>SIS</b>
		<b>(1 Sept. 2002</b>	<b>SEMKO-DEKRA)</b>

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<b>Product use</b>	Typical energy consumption per year	<b>SSC31 appr. 5,2 kWh at 10% duty cycle</b> <b>SSC61 appr. 1,7 kWh at 10% duty cycle</b> <b>SSC81 appr. 0,7 kWh at 10% duty cycle</b>
	Maintenance	<b>Maintenance free</b>
	Environmental benefits	<b>RoHS compliant</b> <b>see notes on page 2</b>

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**Environmental risk (fire)**

Fire protection as per

EN 60730-1 and EN 60730-2-14

**SSC31**

Fire load [MJ]

	<b>9</b>
4	4

**SSC61**

Fire load [MJ]

<b>00</b>	<b>.5</b>	<b>9</b>	<b>.5UG</b>	<b>UG</b>
5	5	5	5	5

**SSC81**

Fire load [MJ]

<b>00</b>	<b>9</b>	<b>.5UG</b>	<b>UG</b>
5	5	5	5

Parts containing halogens  
(result in corrosive smoke)

**Printed circuit board  
Cables**

**Packaging**

Actuator

**SSC31**

Cardboard [g]

Printed paper [g]

	<b>9</b>
45	48
6	1

**SSC61**

Cardboard [g]

Printed paper [g]

	<b>.5</b>	<b>9</b>	<b>.5UG</b>	<b>UG</b>
45	45	48	48	48
6	6	1	0	0

**SSC81**

Cardboard [g]

Printed paper [g]

	<b>9</b>	<b>.5UG</b>	<b>UG</b>
45	48	48	48
6	1	0	0

Notes on disposal

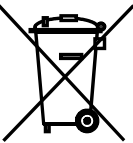
**Can be recycled**

Materials [g]	Actuator	SSC31	
			9
	Total weight of device*	257	257
Plastics	Polyamid PA	12	12
	Polybutylene terephthalate PBT 20% GF	19	19
	Polybutylene terephthalate PBT 30% GF	11	11
	ABS-polycarbonate blend PC-ABS	86	86
	Polyoxymethylene POM	7	7
	Polyphenylene sulfide PPS 40% GF	21	21
	Polycarbonate PC 20 % GF	3	3
	Polyetheretherketon PEEK	1	1
Metals	Alloyed copper Cu-X	24	24
	Non alloyed steels Fe-C	14	14
	High alloy steel Fe-Cr-Ni	8	8
Other materials	Glue	1	1
External products	Motor, contains less than 3,5g Cu	26	26
Circuit boards with components	Total weight/		
	FR4 board contains halogens	29	29

Actuator		SSC61				
			.5	9	.5UG	UG
Total weight of device*		253	272	253	277	257
Plastics	Polyamid PA	12	12	12	13	13
	Polybutylene terephthalate PBT 20% GF	19	19	19	19	19
	Polybutylene terephthalate PBT 30% GF	11	11	11	11	11
	ABS-polycarbonate blend PC-ABS	86	86	86	86	86
	Polyoxymethylene POM	7	7	7	7	7
	Polyphenylene sulfide PPS 40% GF	18	18	18	18	18
	Polycarbonate PC 20 % GF	3	3	3	3	3
	Polyetheretherketon PEEK	1	1	1	1	1
Metals	Alloyed copper Cu-X	24	24	24	26	26
	Non alloyed steels Fe-C	14	14	14	15	15
	High alloy steel Fe-Cr-Ni	7	7	7	7	7
Other materials	Glue	1	1	1	1	1
External products	Motor, contains less than 3,5g Cu	25	25	25	25	25
Circuit boards with components	Total weight/					
	FR4 board contains halogens	27	46	27	46	27

Actuator		SSC81			
			9	.5UG	UG
Plastics	Total weight of device*	247	247	277	251
	Polyamid PA	12	12	13	13
	Polybutylene terephthalate PBT 20% GF	19	19	19	19
	Polybutylene terephthalate PBT 30% GF	11	11	11	11
	ABS-polycarbonat blend PC-ABS	86	86	86	86
	Polyoxymethylene POM	7	7	7	7
	Polyohenylene sulfide PPS 40% GF	18	18	18	21
	Polycarbonat PC 20 % GF	3	3	3	3
	Polyetheretherketon PEEK	1	1	1	1
Metals	Alloyed copper Cu-X	24	24	26	26
	Non alloyed steels Fe-C	14	14	15	15
	High alloy steel Fe-Cr-Ni	7	7	7	8
Other materials	Glue	1	1	1	1
External products	Motor, contains less than 3,5g Cu	26	26	25	26
Circuit boards with components	Total weight/ FR4 board contains halogens	19	19	47	19

\*The total weight includes even substances under 0.1% of the total weight that are not declared separately.

<p><b>Disposal</b></p> 	<p>Do not dispose of the device as part of standard household garbage, but as special waste from electrical and electronic components. This particularly applies to electronic circuit boards.</p> <p>Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.</p> <p><b>Observe all local and applicable laws!</b></p>
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### Environmental benefits:

The actuator reduces consumption of energy due to switch off in the end positions.

**Legal disclaimer: This declaration is for information purposes 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 Building Technologies 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.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.