



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>Electromechanical actuator, type SSP</b>
	Designation	<b>SSP31, SSP31/00, SSP61, SSP61/00, SSP61P, SSP81, SSP81/00, SSP81.04, SSP81.04/00</b>
	Product range	<b>Valves and actuators</b>

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<b>Process control</b>	Siemens Building Technologies AB		
	Elektronvägen 4		
	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>appr. SSP31 5,2 kWh at 10% duty cycle</b> <b>appr. SSP61 1,7 kWh at 10% duty cycle</b> <b>appr. SSP81 0,6 kWh at 10% duty cycle</b>
	Maintenance	<b>Maintenance free</b>
	Environmental benefits	<b>see notes on page 2</b>

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**Environmental risk (fire)** Fire protection as per

**EN 607301**

**SSP31**

		<b>/00</b>
Fire load [MJ]	5	4

**SSP61**

	<b>/00</b>	<b>P</b>	
Fire load [MJ]	5	4	5

**SSP81**

	<b>.04</b>	<b>.04/00</b>	<b>/00</b>	
Fire load [MJ]	5	5	4	4

Parts containing halogens  
(result in corrosive smoke)

**Printed circuit board  
Cables**

**Packaging**

Actuator

**SSP31**

		<b>/00</b>
Cardboard [g]	52	52
Printed paper [g]	0	0

**SSP61**

	<b>/00</b>	<b>P</b>	
Cardboard [g]	52	52	52
Printed paper [g]	0	0	0

**SSP81**

	<b>.04</b>	<b>.04/00</b>	<b>/00</b>
Cardboard [g]	52	52	52
Printed paper [g]	0	0	0

Notes on disposal

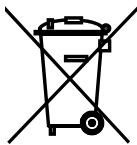
**Can be recycled**

Materials [g]	Actuator	SSP31	
			/00
	Total weight of device*	266	194
Plastics	Polyetheretherketon PEEK	1	1
	Polyamid PA	4	4
	Polybutylene terephthalate PBT 20% GF	26	26
	ABS-polycarbonate blend PC-ABS	52	52
	Polyphenylene sulfide PPS 40% GF	17	17
	Polyoxymethylene POM	8	8
	Polystyrene acrylonitrile PSAN	5	5
	Polyvinyl chloride PVC	42	0
	Metals	Non alloyed copper Cu	32
Alloyed copper Cu-X		14	14
Non alloyed steel Fe-C		7	7
High alloy steel Fe-Cr-Ni		6	6
Other materials	Glue	1	1
External products	Motor, contains less than 3,5g Cu and less than 0,004g Pb	26	26
Circuit boards with components	Total weight/	27/	27/
	FR4 board contains halogens	10	10

Actuator		SSP61		
			/00	P
Total weight of device*		254	181	254
Plastics	Polyetheretherketon PEEK	1	1	1
	Polyamid PA	4	4	4
	Polybutylene terephthalate PBT 20% GF	26	26	26
	ABS-polycarbonate blend PC-ABS	52	52	52
	Polyphenylene sulfide PPS 40% GF	17	17	17
	Polyoxymethylene POM	7	7	7
	Polyvinyl chloride PVC	52	0	52
Metals	Non alloyed copper Cu	21	0	21
	Alloyed copper Cu-X	14	14	14
	Non alloyed steel Fe-C	7	7	7
	High alloy steel Fe-Cr-Ni	6	6	6
Other materials	Glue	1	1	1
External products	Motor, contains less than 3,5g Cu and less than 0,004g Pb	25	25	25
Circuit boards with components	Total weight/	21/	21/	21/
	FR4 board contains halogens	10	10	10

Actuator		SSP81			
		.04	.04/00	/00	
Total weight of device*		259	248	175	186
Plastics	Polyetheretherketon PEEK	1	0	0	1
	Polyamid PA	4	4	4	4
	Polybutylene terephthalate PBT 20% GF	26	26	26	26
	ABS-polycarbonate blend PC-ABS	52	52	52	52
	Polyphenylene sulfide PPS 40% GF	17	17	17	17
	Polyoxymethylene POM	8	7	7	8
	Polyvinyl chloride PVC	52	52	0	0
Metals	Non alloyed copper Cu	21	21	0	0
	Alloyed copper Cu-X	14	14	14	14
	Non alloyed steel Fe-C	7	7	7	7
	High alloy steel Fe-Cr-Ni	6	6	6	6
Other materials	Glue	1	1	1	1
External products	Motor, contains less than 3,5g Cu and less than 0,004g Pb	26	26	26	26
Circuit boards with components	Total weight/	18/	17/	17/	18/
	FR4 board contains halogens	10	10	10	10

\*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.