



***Environmental
Product Declaration***

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

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

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

Environmental risk (fire) Fire protection as per

EN 60730-1 and EN 60730-2-14

SSC31

		9
Fire load [MJ]	4	4

SSC61

	00	.5	9	.5UG	UG
Fire load [MJ]	5	5	5	5	5

SSC81

	00	9	.5UG	UG
Fire load [MJ]	5	5	5	5

Parts containing halogens
(result in corrosive smoke)

Printed circuit board
Cables

Packaging

Actuator

SSC31

		9
Cardboard [g]	45	48
Printed paper [g]	6	1

SSC61

	.5	9	.5UG	UG
Cardboard [g]	45	48	48	48
Printed paper [g]	6	1	0	0

SSC81

	9	.5UG	UG
Cardboard [g]	45	48	48
Printed paper [g]	6	1	0

Notes on disposal

Can be recycled

Materials [g]		SSC31	
			9
	Actuator		
	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
	Polycarbonat 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
Plastics	Total weight of device*	253	272	253	275	255
	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
	Polycarbonat PC 20 % GF	3	3	3	3	3
	Polyetheretherketon PEEK	1	1	1	1	1
Metals	Alloyed copper Cu-X	24	24	24	24	24
	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
	Total weight of device*	247	247	275	249
Plastics	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-polycarbonate blend PC-ABS	86	86	86	86
	Polyoxymethylene POM	7	7	7	7
	Polyphenylene 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	24	24
	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/	19	19	47	19
	FR4 board contains halogens				

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

	<p>Disposal</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>Observe all local and applicable laws!</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

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