



Environmental Product Declaration

Product	Device type	Electromechanical actuator, type SQS	
	Designation	SQS35.00, SQS35.03, SQS359.03, SQS359.05, SQS359.54, SQS35.50, SQS35.53, SQS65, SQS659, SQS65.2, SQS65.5, SQS65.5U, SQS65.5UG, SQS65U, SQS65UG, SQS85.00, SQS85.03, SQS859.00, SQS85.53UG, SQS85.53U	
	Product range	Valves and actuators	
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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)	
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Product use	Typical energy consumption per year	SQS35.00, 35.03 appr. 2,2 kWh at 10% duty cycle SQS35.50 appr. 4,4 kWh at 10% duty cycle SQS35.53 appr. 5,2 kWh at 10% duty cycle SQS65.00, 65.2 appr. 3,9 kWh at 10% duty cycle SQS65.5 appr. 6,1 kWh at 10% duty cycle SQS85.00, 85.03 appr. 1,7 kWh at 10% duty cycle	
	Maintenance	Maintenance free	
	Environmental benefits	RoHS compliant see notes on page 2	
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Environmental risk (fire) Fire protection as per

EN 60730-1 and EN 60730-2-14

SQS35

Fire load [MJ]

.00	.03	9.03	9.05	9.54	.50	.53
9	9	9	10	10	10	10

SQS65

Fire load [MJ]

00	.2	.5	.5U	.5UG	U	UG
10	10	10	10	10	10	10

SQS85

Fire load [MJ]

.00	.03	9.00	.53U	.53UG
9	9	10	10	10

Parts containing halogens
(result in corrosive smoke)

**Printed circuit board
Cables**

Packaging

Actuator

SQS35

.00	.03	9.03	9.05	9.54	.50	.53
52	52	114	114	114	58	58
5	5	1	1	5	5	5

Cardboard [g]

Printed paper [g]

SQS65

00	.2	.5	.5U	.5UG	U	UG
52	52	58	114	114	114	114
0	0	0	0	0	0	0

Cardboard [g]

Printed paper [g]

SQS85

.00	.03	9.00	.53U	.53UG
52	52	114	114	114
6	6	5	0	0

Cardboard [g]

Printed paper [g]

Notes on disposal

Can be recycled

Materials [g]	Actuator	SQS35						
		.00	.03	9.03	9.05	9.54	.50	.53
	Total weight of device*	442	446	446	455	546	547	553
Plastics	Polyethylene PE	2	2	2	2	2	2	2
	Polyamid PA	18	18	18	18	14	14	14
	ABS-polycarbonate blend PC-ABS	183	183	183	183	183	183	183
	Acrylonitrile butadiene styrene ABS	6	6	6	6	0	0	0
	Polyoxymethylee POM	39	39	39	43	51	51	51
	Polyfenylenoxid PPO	34	34	34	34	34	38	38
	Polystyrene PS	0	0	0	0	0	3	3
	Metals	Non Alloyed Aluminium Al	0	0	0	0	4	4
Alloyed copper Cu-X		9	9	9	9	15	13	13
Non alloyed steels Fe-C		43	43	43	43	65	68	68
High alloy steel Fe-Cr-Ni		5	5	5	5	6	6	6
Other materials	Grease, oil	2	2	2	2	2	2	2
External products	Motor, contains less than 20g Cu	66	73	73	73	75	67	75
	Electro Magnet: Contains approx. 24g Cu, 4g PA, 18g Fe	0	0	0	0	47	47	47
	Microswitch	0	0	0	0	0	2	2
	Terminal: Housing: polyamide 6, spring: steel, insert: brass, screw: steel	0	0	0	0	0	3	3
Circuit boards with components	Total weight/	37/	34/	34/	34/	46/	46/	46/
	CEM-1 board contains halogens	14	14	14	14	14	14	14

Actuator		SQS65						
		00	.2	.5	.5U	.5UG	U	UG
Total weight of device*		468	468	568	568	568	468	468
Plastics	Polyethylene PE	2	2	2	0	0	0	0
	Polyamid PA	19	19	14	17	17	21	21
	ABS-polycarbonate blend PC-ABS	183	183	183	183	183	183	183
	Polyoxymethylene POM	43	43	53	53	53	43	43
	Polyfenylenoxid PPO	37	37	37	37	37	37	37
Metals	Non Alloyed Aluminium Al	0	0	4	4	4	0	0
	Alloyed copper Cu-X	13	13	13	13	13	13	13
	Non alloyed steels Fe-C	44	44	65	65	65	44	44
Other materials	High alloy steel Fe-Cr-Ni	5	5	6	6	6	5	5
	Grease, oil	2	2	2	2	2	2	2
External products	Motor, contains less than 20g Cu	75	75	77	77	77	75	75
Circuit boards with components	Electro Magnet: Contains approx. 27g Cu, 4g PA, 21g Fe	0	0	53	53	53	0	0
	Total weight/	43/	43/	56/	56/	56/	43/	43/
	CEM-1 board contains halogens	16	16	16	16	16	16	16

Actuator		SQS85				
		.00	.03	9.00	.53U	.53UG
Total weight of device*		440	448	440	550	550
Plastics	Polyethylene PE	2	2	2	0	0
	Polyamid PA	19	19	19	17	17
	ABS-polycarbonate blend PC-ABS	183	183	183	183	183
	Polyoxymethylene POM	40	40	40	50	50
	Polyfenylenoxid PPO	34	34	34	34	34
Metals	Non Alloyed Aluminium Al	0	0	0	4	4
	Alloyed copper Cu-X	9	9	9	9	9
	Non alloyed steels Fe-C	44	44	44	69	69
	High alloy steel Fe-Cr-Ni	5	5	5	5	5
Other materials	Grease, oil	2	2	2	2	2
External products	Motor, contains less than 20g Cu	67	76	67	77	77
Circuit boards with components	Electro Magnet: Contains approx. 27g Cu, 4g PA, 21g Fe	0	0	0	53	53
	Total weight/	33/	33/	33/	49/	49/
	CEM-1 board contains halogens	14	14	14	22	22

*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.