



Environmental Product Declaration

Product	Device type	Electromechanical actuator, type SQX	
	Designation	SQX32.00, SQX32.03, SQX62, SQX62U, SQX82.00, SQX82.00U, SQX82.03, SQX82.03U	
	Product range	Valves and actuators	
<hr/>			
Process control	Siemens Building Technologies AB		
	Elektronvägen 4		
	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)	
<hr/>			
Product use	Typical energy consumption per year	SQX32.00 appr. 2,6 kWh at 10% duty cycle SQX32.03 appr. 5,7 kWh at 10% duty cycle SQX62 appr. 7 kWh at 10% duty cycle SQX62U appr. 7 kWh at 10% duty cycle SQX82.00 appr. 5,7 kWh at 10% duty cycle SQX82.00U appr. 2,67 kWh at 10% duty cycle SQX82.03 appr. 5,7 kWh at 10% duty cycle SQX82.03U appr. 5,7 kWh at 10% duty cycle	
	Maintenance	Maintenance free	
	Environmental benefits	see notes on page 2	
<hr/>			

Environmental risk (fire)

Fire protection as per

EN 607301

		SQX32			
Fire load [MJ]		.00	.03		
		8	8		
		SQX62			
Fire load [MJ]					U
		8	8		
		SQX82			
Fire load [MJ]		.00	.00U	.03	.03U
		8	8	8	8

Parts containing halogens
(result in corrosive smoke)

Printed circuit board
Cables

Packaging

Actuator
Cardboard [g]
Printed paper [g]

		SQX32			
Actuator		.00	.03		
		122	122		
Cardboard [g]					U
		0	0		
		SQX62			
Cardboard [g]					U
		122	122		
Printed paper [g]					5
		0	5		
		SQX82			
Cardboard [g]		.00	.00U	.03	.03U
		122	122	122	122
Printed paper [g]					5
		0	5	0	5

Notes on disposal

Can be recycled


SQX32

Materials [g]		.00	.03
	Actuator		
	Total weight of device*	1445	1565
Plastics	Polyethylene PE	4	4
	Polyamid PA	23	22
	ABS-polycarbonate blend PC-ABS	131	131
	Polyoxymethylene POM	36	36
	Polyester	2	2
Metals	Non alloyed aluminium Al	44	44
	Alloyed aluminium Al-x	637	637
	Alloyed copper Cu-X	50	50
	Non alloyed steels Fe-C	321	323
	Low alloyed copper Fe-C-X	42	42
	High alloy steel Fe-Cr-Ni	56	57
Other materials	Grease	1	1
External products	Motor, SQX32.00; contains less than 20g Cu and less than 0,4g Pb		
	SQX32.03: contains less than 65g Cu and less than 0,4g Pb	67	184
Circuit boards with components	Total weight/	29/	33/
	CEM-1 board contains halogens	8	8

Actuator		SQX62	
			U
Total weight of device*		1602	1605
Plastics	Polyethylene PE	4	1
	Polyamid PA	22	22
	ABS-polycarbonate blend PC-ABS	131	131
	Polyoxymethylene POM	40	40
	Polyester	2	2
Metals	Non alloyed aluminium Al	44	44
	Alloyed aluminium Al-x	637	637
	Alloyed copper Cu-X	50	50
	Non alloyed steels Fe-C	310	310
	Low alloyed copper Fe-C-X	42	42
	High alloy steel Fe-Cr-Ni	57	57
	Zinc alloys Zn-X	0	15
Other materials	Grease	1	1
External products	Motor, contains less than 65g Cu and less than 0,4g Pb	194	194
Circuit boards with components	Total weight/	63/	63/
	FR4 board contains halogens	22	22

Actuator		SQX82			
		.00	.00U	.03	.03U
Total weight of device*		1562	1582	1552	1572
Plastics	Polyethylene PE	4	1	4	1
	Polyamid PA	24	24	22	22
	ABS-polycarbonate blend PC-ABS	131	131	131	131
	Polyoxymethylene POM	36	36	36	36
	Polyester	2	2	2	2
Metals	Non alloyed aluminium Al	44	44	44	44
	Alloyed aluminium Al-x	637	637	637	637
	Alloyed copper Cu-X	50	50	50	50
	Non alloyed steels Fe-C	309	315	312	318
	Low alloyed copper Fe-C-X	42	42	42	42
	High alloy steel Fe-Cr-Ni	56	56	54	54
	Zinc alloys Zn-X	0	15	0	15
Other materials	Grease	1	1	1	1
External products	Motor, contains less than 65g Cu and less than 0,4g Pb	194	194	195	195
Circuit boards with components	Total weight/	35/	35/	35/	35/
	CEM-1 board contains halogens	13	13	13	13

*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>
---	--

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.