



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>Electromechanical actuator, type SQK, SQL</b>
	Designation	<b>SQK33.00, SQL33.00, SQL33.002, SQL33.03, SQL83.00,</b>
	Product range	<b>Valves and actuators</b>

<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>

<b>Product use</b>	Typical energy consumption per year	<b>SQK33 appr. 2,6 kWh at 10% duty cycle</b> <b>SQL33.00 appr. 3,5 kWh at 10% duty cycle</b> <b>SQL33.03 appr. 5,7 kWh at 10% duty cycle</b> <b>SQL83 appr. 5,7 kWh at 10% duty cycle</b>
	Maintenance	<b>Maintenance free</b>
	Environmental benefits	<b>RoHS compliant</b> <b>see notes on page 2</b>

**Environmental risk (fire)**

Fire protection as per

EN 60730-1 and EN 60730-2-14

**SQK33**

6
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Fire load [MJ]

**SQL33**

.00	.002	.03
8	9	8

Fire load [MJ]

**SQL83**

8
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Fire load [MJ]

Parts containing halogens  
(result in corrosive smoke)

**Cables**

**Packaging**

Actuator

**SQK33**

70
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Cardboard [g]

0
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Printed paper [g]

**SQL33**

.00	.002	.03
86	86	86
0	5	0
0	7	0

Cardboard [g]

Printed paper [g]

PE [g]

**SQL83**

86
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Cardboard [g]

0
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Printed paper [g]

Notes on disposal


**Can be recycled**

Materials [g]		Actuator	SQK33
		Total weight of device*	1095
Plastics		Polyethylene PE	6
		Polyamid PA	19
		ABS-polycarbonate blend PC-ABS	98
		Acrylonitrile butadiene styrene ABS	9
		Polyoxymethylene POM	52
Metals		Alloyed copper Cu-X	28
		Non alloyed steel Fe-C	391
		High alloy steel Fe-Cr-Ni	9
		Low alloy steel Fe-C-X	9
		Non alloyed Aluminium Al	2
		Aluminium alloys Al-X	380
Other materials		Grease	1
External products		Motor: contains less than 20g Cu	67
		Terminal: Housing: PA, spring: Fe-C, insert: Cu-X, screw: Fe-C	8
		Microswitch	14
		Al-capacitor: contains less than 5% Br	6

Actuator		SQL33		
		.00	.002	.03
Plastics	Total weight of device*	1180	1248	1257
	Polyethylene PE	6	6	6
	Polyamid PA	19	19	21
	ABS-polycarbonate blend PC-ABS	123	123	123
	Acrylonitrile butadiene styrene ABS	9	9	9
	Polyoxymethylene POM	53	56	52
	Polycarbonate PC	0	15	0
Metals	Alloyed copper Cu-X	32	34	32
	Non alloyed steel Fe-C	391	393	395
	High alloy steel Fe-Cr-Ni	9	9	9
	Low alloy steel Fe-C-X	9	34	14
	Non alloyed Aluminium Al	2	2	2
	Aluminium alloys Al-X	380	380	380
Other materials	Grease	1	1	1
External products	Motor:			
	SQL33.00: contains less than 34g Cu			
	SQL33.03: contains less than 65g Cu	122	122	182
	Terminal:			
	Housing: PA, spring: Fe-C, insert: Cu-X, screw: Fe-C	13	13	14
	Microswitch	14	34	14
	Al-capacitor:			
	SQL33.00: contains less than 5% Br			
	SQL33.03: contains less than 2% Br	4	4	9

Actuator		SQL83
	Total weight of device*	1262
Plastics	Polyethylene PE	6
	Polyamid PA	18
	ABS-polycarbonate blend PC-ABS	123
	Acrylonitrile butadiene styrene ABS	9
	Polyoxymethylene POM	53
Metals	Alloyed copper Cu-X	31
	Non alloyed steels Fe-C	385
	High alloy steel Fe-Cr-Ni	9
	Low alloy steel Fe-C-X	9
	Non alloyed Aluminium Al	2
	Aluminium alloys Al-X	380
Other materials	Grease	1
External products	Motor: contains less than 65g Cu	184
	Terminal: Housing: PA, spring: Fe-C, insert: Cu-X, screw: Fe-C	13
	Microswitch	14
	Al-capacitor: contains less than 1,5% Br	14

\*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.