



Environmental Product Declaration

Product	Type of equipment	SQD..	
	Designation	Electromechanical actuator	
	Product line	Acvatix™, 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)	13. Nov. 1988	SIS
		(1. Sept. 2002	SEMKO-DEKRA)
Product use	Typical energy consumption per year	SQD35.00	appr. 2,2 kWh/a at 10% duty cycle
		SQD65	appr. 3,9 kWh/a at 10% duty cycle
		SQD85.03	appr. 1,7 kWh/a at 10% duty cycle
	Maintenance	Maintenance free	
Risk of fire	Fire protection according to	EN 60730-1 and EN 60730-2-14	
	Fire load	SQD35.00	9 MJ
		SQD65	10 MJ
		SQD65UG	10 MJ
		SQD85.03	9 MJ
		SQD85.03UG	10 MJ

Packaging

		SQD35.00	
Cardboard [g]		52	
Printed paper [g]		5	
		SQD65	SQD65UG
Cardboard [g]		52	114
Printed paper [g]		5	0
		SQD85.03	SQD85.03UG
Cardboard [g]		52	114
Printed paper [g]		5	0

Notes on disposal

recyclable

		SQD35.00
Materials	Total weight of device *	442 g
Plastics	Polyethylene PE	2 g
	Polyamid PA	18 g
	ABS-polycarbonate blend PC-ABS	183 g
	Acrylonitrile butadiene styrene ABS	6 g
	Polyoxymethylene POM	39 g
	Polyfenylenoxid PPO	34 g
Metals	Alloyed copper Cu-X	16 g
	Non alloyed steels Fe-C	43 g
	High alloy steel Fe-Cr-Ni	5 g
Others	Grease, oil	2 g
External products	Electromotor	66 g
PCB assembled	Total weight	37 g
	CEM-1 board	contains halogens 14 g

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

The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

	SQD..	65	65UG
Materials	Total weight of device *		
		468 g	468 g
Plastics	Polyethylene PE		
		2 g	- g
	Polyamid PA		
		19 g	21 g
	ABS-polycarbonate blend PC-ABS		
		183 g	183 g
	Polyoxymethylene POM		
		43 g	43 g
	Polyfenylenoxid PPO		
		37 g	37 g
Metals	Alloyed copper Cu-X		
		20 g	20 g
	Non alloyed steels Fe-C		
		44 g	44 g
	High alloy steel Fe-Cr-Ni		
		5 g	5 g
Others	Grease, oil		
		2 g	2 g
External products	Electromotor		
		75 g	75 g
PCB assembled	Total weigth		
		43 g	43 g
	CEM-1 board	contains halogens	16 g
			16 g

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

The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

	SQD..	85.03	85.03UG
Materials	Total weight of device *		
		448 g	448 g
Plastics	Polyethylene PE		
		2 g	- g
	Polyamid PA		
		19 g	21 g
	ABS-polycarbonate blend PC-ABS		
		183 g	183 g
	Polyoxymethylene POM		
		40 g	40 g
	Polyfenylenoxid PPO		
		34 g	34 g
Metals	Alloyed copper Cu-X		
		16 g	16 g
	Non alloyed steels Fe-C		
		44 g	44 g
	High alloy steel Fe-Cr-Ni		
		5 g	5 g
Others	Grease, oil		
		2 g	2 g
External products	Electromotor		
		76 g	77 g
PCB assembled	Total weigth		
		33 g	33 g
	CEM-1 board	contains halogens	14 g
			14 g

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

The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Disposal

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible.

Observe all local and applicable laws.

Comments

Environmental Benefits:

The actuator reduces consumption of energy due to switch off in the end positions.

The actuators are free of substances banned by the directive 2002/95/EC (RoHS).

Emmissions:

Parts containing halogens (result in corrosive smoke):

- Printed circuit board
- Cables

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.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.