



Environmental Product Declaration

Product	Type of equipment	Electromechanical actuator, type SFA	
	Designation	SFA21/18, SFA71/18	
	Product line	Valves and actuators	
Process control	Siemens Building Technologies Ltd.		
	343-1, Gunha-Ri, Wolgot-Myun, Gimpo-Shi, Kyounggi-Do, Korea		
	Management system certified	since	by
	ISO 14001 (environment)		
	ISO 9001 (quality)	September, 12, 2003	CI
Environmentally compatible product design	The product was developed in compliance with the Siemens standard SN36350		
Product use	Typical energy consumption per year	appr. 32 kWh/a at 10% duty cycle	
	Maintenance	Maintenance free	
	Environmental benefits	RoHS compliant	
Risk of fire	Fire protection according to	EN 60730-1 and EN 60730-2-14	
	Fire load	5.7 MJ	
Packaging	20-PAP Corrugated fiber board, folded box [g]		72
	Notes on disposal	Can be recycled	

Materials

			Total weight device	630 g
Plastics	PBT	halogen-free	Body	75 g
	PBT	halogen-free	Cover	40 g
	PC	halogen-free	Handmanoeuvre	6 g
	PBT GF 15	halogen-free	Rotary cam	12 g
	PA GF 40	halogen-free	Gearwheel	6 g
	PA GF 40	halogen-free	Pinion	3 g
	PA GF 40	halogen-free	Clutchbush	2 g
	POM	halogen-free	Ballcage	3 g
	Metals	Aluminum		Distanceplate
CuSn			Bearingplate	4 g
Copper			Spindlerest	1 g
Stainless steel		zinc plated	Powerspring	48 g
Steel		zinc plated	Screws	9 g
Spring steel		nickel plated	Wrap spring	2 g
Copper		nickel plated	Cup Nut	12 g
Stainless steel		nickel plated	Washer	4 g
Others		Motor, contains less than 65 g Cu		
	Cable			100 g

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

Disposal



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.

Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.

Observe all local and applicable laws!

Comments

Materials:

The device is free from substances banned by the Directive 2002/95/EC (RoHS):

Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials.

Cd: < 0.01 % by weight in homogeneous materials

The device is halogen- and antimony-free.

Environmental benefits:

RoHS compliant

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.