



Environmental Product Declaration

Product

Type of equipment	Electromechanical actuator, type SFP
Designation	SFP21/18, SFP71/18
Product line	Valves and actuators

Process control

Siemens Building Technologies Ltd.
343-1, Gunha-Ri, Wolgot-Myun, Gimpo-Shi, Kyonggi-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
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Notes on disposal	Can be recycled
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Materials			Total weight device	648 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	46 g
	CuSn		Bearingplate	4 g
	Copper		Spingbolt	12g
	Copper		Pressbush	1g
	Spring steel	nickel plated	Spring	4g
	Stainless steel	zinc plated	Powerspring_NO	44 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	263 g
			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.