



## Environmental Product Declaration

<b>Product</b>	Type of equipment / Product No.	SAS31.xx SAS81.xx SAS61.xx	
	Designation	Actuator 400N; 5.5mm; 3P / AC230V Actuator 400N; 5.5mm; 3P / AC/DC24V Actuator 400N; 5.5mm; 0-10V / 4-20mA / AC/DC24V	
	Product line	Small stroke actuator for seat valves	
	<hr/>		
<b>Process control</b>	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 CH-6300 Zug		
	Management System	since by	
	ISO 9001 (Qualität)	22.07.1986 SQS	
	ISO 14001 (Umwelt)	20.10.1998 SQS	
<b>Environmentally compatible product design</b>	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
<b>Product use</b>	Typical energy consumption	2kWh/a	
	Maintenance	Not necessary never	
<b>Risk of fire</b>	Fire protection according to	EN 60730 & UL873	
	Fire load	7 ... 8MJ	
<b>Packaging</b>	20-PAP Corrugated fiber board	Cardboard	44g
	22-PAP paper	Label	1g
	Notes on disposal	One-way, recyclable	

## Materials

	Total weight of device		variant *) see below	
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.			
Plastics	PC+ABS FR(40); halogen-free	CablingCover,UpperHousing,etc.	73 ... 78g	
	PC+ABS GF20 FR(40); GF 20%; halogen-free	HandWheel,GearBoxPlatine	118 ... 128g	
	POM; halogen-free	Div.Teile	8 ... 23g	
	PC FR; halogen-free	LightPipe	1g	
	PC; halogen-free	PosIndicatorCover	12g	
	PA6T/66 CF30+Z; CF+Z 30%; halogenated	SpindleWheel_SS	4 ... 27g	
	PA66+PA6 GF30; GF 30%; halogen-free	UpperCentralShaft_SA	0 ... 4g	
	TPE; halogen-free	CablingCover	3g	
	PBT GF30 FR(17); GF 30%; halogenated	LowerHousing;Plunger	57 ... 86g	
	PA66 RF20; halogen-free	BearingCentralShaft_WSR	3g	
	PEEK; halogen-free	Gear	0 ... 5g	
	Metals	Steel; galvanized	div. Screws	39g
		Steel >5% alloyed	ReturnSpring, Axle	14 ... 240g
		CuSn	PlungerShaft, Hexagonal Nut Motor	4g
Others	Steel , Cooper , PCB	Motors	25 ... 33g	
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	27 ... 34g	

## \*Variant parts list

Total weight of device

[g]	SAS31.0x	SAS81.3x	SAS61.5x								
	406	686	680								

## Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

## Comments

### EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive.

### Regulation (EC) No. 1907/2006 (REACH)

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

(Status according to the creation date of this document.)

The device is free from substances which interfere with lacquer wetting.

The device is halogen-free with exception of:

PCB (TBBA); SpindleWheel (PTFE); LowerHousing, Plunger; Flame protected FR(17)

### Legal Disclaimer: This declaration is for information purpose 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 Schweiz AG 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.