



## Environmental Product Declaration

### Product

Type of equipment / Product No.	SAX31.00 / SAX31.03 / SAX319.00 / SAX319.03 SAX81.00 / SAX81.03 / SAX81.03U SAX61.03 / SAX619.03 / SAX61.03U SAX31P03 / SAX81P03 / SAX61P03 SAX61.03/HR  SAY31P03 / SAY81P03 / SAY61P03 SAY61.03U / SAY81.03U
Designation	SAX3.. actuator 800N ; AC 230 V ; floating SAX8.. actuator 800N ; AC/DC 24 V ; floating SAX6.. actuator 800N ; AC/DC 24 V ; 0...10 V/4...20 mA  All data valid for actuators series "H"  SAY3.. actuator 250N ; AC 230 V ; floating SAY8.. actuator 250N ; AC/DC 24 V ; floating SAY6.. actuator 250N ; AC/DC 24 V ; 0...10 V/4...20 mA  All data valid for actuators series "A"  SAX8..U actuator 800N ; AC/DC 24 V ; floating SAX6..U actuator 800N ; AC/DC 24 V ; 0...10 V/4...20 mA  All data valid for actuators series "H"

Product line, product range New Generation Actvatix

### Process control

Siemens Schweiz AG Building Technologies Division Theilerstrasse 1a CH-6300 Zug			
Management System	since	by	
ISO 9001 (Quality)	22.07.1986	SQS	
ISO 14001 (Environment)	20.10.1998	SQS	

### Environmentally compatible product design

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 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

### Product use

Typical energy consumption	4kWh/a
Maintenance	Not necessary

### Risk of fire

Fire protection according to	EN 60730-1 & UL 837
Fire load	variant *) see below

### Packaging

20-PAP Corrugated fiber board	Cardboard	variant
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. 170g	
	PC+ABS ; halogen-free	Sleeve OS 26g	
	PC+ABS GF20 FR (40); GF 20%; halogen-free	HandWheel 169g	
	POM; halogen-free	Div.parts variant	
	PC FR; halogen-free	PosIndicatorCover 34g	
	PC GF10; GF 10%; halogen-free	U-boltClamp_LS 14g	
	PA6T/66 CF30+Z; CF+Z 30%; halogenated	Nut Spindlesystem, CentralShaft variant	
	NBR; halogen-free	O-Ring_OS_LS 2g	
	TPE; halogen-free	CablingCover 4g	
	PEEK; halogen-free	Gear_45, LowerCentralShaft variant	
	PA66+PA6 GF30; GF 30%; halogen-free	UpperCentralShaft 13g	
	PC+ABS GF20 FR; GF 20%; halogen-free	LowerGearBoxPlatine_2 49g	
	PA6; halogen-free	Cable Gland M16 variant	
	PA6; halogen-free	Cable Gland M20 variant	
	Metals	Al alloy	LowerHousing 622g
		Steel; galvanized	div. Screws 279g
Steel >5% alloyed		SpindleSystem_LS, Gears variant	
Others	Steel, Copper, PCB	Motor 78g	
	PVC	PVC Cable Power variant	
	Grease with PTFE	Lubricant 1g	
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA 53g	

**\*Variant parts list**

	SAXxx.0x	SAYxx.03..	SAX..03U	SAX61.03/HR								
Total weight of device [g]	1'773	1'773	1'825	1'970								
Div.parts	45	45	50	50								
Nut Spindlesystem, CentralShaft	37	37	19	19								
Gear_45, LowerCentralShaft	5	5	10	10								
Cable Gland M16				8								
Cable Gland M20				25								
SpindleSystem_LS, Gears	176	176	236	236								
PVC Cable Power				112								
Fire load [MJ]	16	16	16	19								
Packaging Cardboard [g]	93	93	93	295								

**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. 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 halogen-free with exception of:

PCB (TBBA); Nut Spindlesystem; LowerCentralShaft; PVC Cable Power; Lubricant (PTFE)

### 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.

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