



Environmental Product Declaration

Product	Type of equipment / Product No.	SAL31.0xT10; SAL31.00T20, SAL31.00T40 SAL81.0xT10; SAL81.00T20, SAL81.00T40 SAL61.0xT10; SAL61.00T20, SAL61.00T40		
	Designation	Actuator 10 Nm, 20 Nm or 40 Nm; 90°rotary; 3-Point / AC230V Actuator 10 Nm, 20 Nm or 40 Nm; 90°; 3-Point / AC/DC24V Actuator 10 Nm, 20 Nm or 40 Nm; 90°; 0..10V/4..20mA / AC/DC24V		
	Product line	Large Rotary Actuators for Slipper & Butterfly Valves		
	<hr/>			
Process control	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	
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 No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".			
	<hr/>			
Product use	Typical energy consumption	variant *) see below		
	Maintenance	Not necessary none		
Risk of fire	Fire protection according to	EN 60730-1 und UL 873		
	Fire load	15MJ		
Packaging	20-PAP Corrugated fiber board	Carton Box	84g	
	22-PAP paper	Packing Label	2g	
	4-LDPE	Bag accessorie	variant	
	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	Cabling Cover, Upper actuator Housing, ...	170g	
	PC+ABS GF20 FR (40); GF 20%; halogen-free	Handwheel, ReturnSpringCage	variant	
	POM; halogen-free	Lower central shaft; div.Gears	variant	
	PC FR; halogen-free	Positionindicator Cover	34g	
	PA66 GF50; GF 50%; halogen-free	Ringgear, Doublegear	variant	
	PA6T/66 CF30+Z; CF+Z 30%; halogenated	Eccentric shaft	20g	
	TPE; halogen-free	Cabling Cover	4g	
	PEEK; halogen-free	Lower central shaft	variant	
	PA66+PA6 GF30; GF 30%; halogen-free	UpperCentralShaft	13g	
	Metals	Al alloy	Lower actuator housing	396g
		Steel; galvanisiert	Screws	variant
		Steel >5% alloyed	Valve nut; Spring; Axles; Gears; Lower shaft ; Ball bearing	variant
CuSn; SINT A51		PlainBearingBush	18g	
Compound; GGT50		BearingBush	variant	

Others
PCBAs (Printed Circuit Board assembled)

Steel , Cooper , PCB
FR4; TBBA; solder SnAgCu

Motors
PCBA

variant
53g

***Variant parts list**

	SALxx.xxT10	SALxx.xxT20	SALxx.xxT40
Total weight of device [g]	1'461	1'588	1'589
Handwheel, ReturnSpringCage	221	218	218
Lower central shaft; div.Gears	47	26	25
Ringgear, Doublegear	205	205	205
Cabling Cover	4	4	4
Lower central shaft		10	10
Screws	33	41	45
Valve nut; Spring; Axles; Gears; L	173	305	298
PlainBearingBush	17	17	17
BearingBush			3
Motors	78	78	80
Typical energy consumption [kWh/a]	3	3	4
Packaging			
Bag accessorie		1	1

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

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); EccentricShaft_LR (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.