



Environmental Product Declaration

Product	Type of equipment / Product No.	GAP191.1x GAP196.1x	Damper Actuator; 6Nm Damper Actuator; 6Nm
	Product line, Product range	Damper Actuator GAP Small Laboratory / OpenAirTM	
	Process control		
Siemens Schweiz AG Smart Infrastructure Building Products Theilerstrasse 1a CH-6300 Zug			
Management System since by			
ISO 9001 (Quality) 22-July-1986 SQS			
ISO 14001 (Environment) 20-October-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	96.36kWh/a	
	Maintenance	Not necessary None	
Risk of fire	Fire protection according to	EN 60730	
	Fire load	variant *) see below	
Packaging	20-PAP Corrugated fiber board	Cardboard actuator	75g
	20-PAP Corrugated fiber board	Cardboard shaft adapter	13g
	22-PAP paper	Label on cardboard	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	POM; low-halogen	Various Gear wheels, Bearings etc.	variant
	PC; GF 10%; halogenated	Cases	variant
	ABS+PC; halogenated	Spacer	4g
	TPC ET; low-halogen	Gear Wheel	7g
	TPO; low-halogen	Sealing Cap	1g
	Metals	Al alloy	Housings
Steel		Axles, Plate, Spring	91g
Zn / Zn alloy		Hub	135g
Free cutting Steel		Pinions	8g
Steel stainless		Screws, Spring, Pin	9g
Cold work band steel		Gear Wheel	35g
Case hardening steel		Gear	48g
Tempering steel		Bracket	34g

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Others	Steel; zinc plated	Plate	51g
	Steel, copper, PCBA	Motor	155g
	PVC / copper	PVC cable switch	variant
	PVC / copper	PVC cable power	104g
	Plastics, copper, steel	Micro switches	variant
	Polyester	Label on actuator	2g
	Lubricant	Grease	2g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCB Assembled	57g

***Variant parts list**

	[g]	GAP191.1x	GAP196.1x
Total weight of device		1'118	1'263
Various Gear wheels, Bearings et		12	25
Cases		22	36
PVC cable switch			114
Micro switches			5
Fire load	[MJ]	5	9

Disposal



The symbol or any other national label indicates the product, its packaging and where applicable, any removed batteries may not be disposed as part of normal waste. Delete any personal data and dispose of the item via separate collection and recycling facilities in accordance with local and national regulations. For additional details, refer to www.siemens.com/bt/disposal.

For country-specific requirements regarding further disposal information:
<http://www.siemens.com/download?A6V13734633>

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

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

The device contains the following 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. Contained REACH candidate substances, including those which will become known at a later date, are listed on the delivery note.

Lead, CAS-Nr.7439-92-1; Silicic acid (H₂SiO₅), barium salt (1:1), lead-doped, CAS-Nr.68784-75-8; Lead monoxide (lead oxide), CAS-Nr.1317-36-8; Diboron trioxide, CAS-Nr.1303-86-2; BPA, CAS-Nr.80-05-7; Cobalt dichloride, CAS-Nr.7646-79-9 ; 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol, CAS-Nr.119-47-1

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

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.