



Environmental Product Declaration

Product	Type of equipment / Product No.	GNP191.1x; (lower fire load) GNP196.1x (higher fire load)	Damper Actuator; 6Nm Damper Actuator; 6Nm
	Product line, Product range	Damper Actuator GAP Small Laboratory / OpenAirTM	
	Process control		
Siemens Schweiz AG Building Technologies Division 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	11.4kWh/a	Energy consumption is between 18 ... 26 kWh/a (depending mainly on running time of the actuator). Assumption above: 10% operational time.
	Maintenance	Not necessary None	
Risk of fire	Fire protection according to Fire load	EN 60730 & UL 873 variant *) see below	
Packaging	20-PAP Corrugated fiber board	PACKAGING INCL. SHAFT ADAPTER	85g
	22-PAP paper	Label	1g
	22-PAP paper	Installation Instruction	23g
	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	BEARING RING GS	5g
	POM; low-halogen	GEAR WHEEL 5 GS LABORATORY POM	8g
	POM; low-halogen	SWITCHES GS POM PARTS	variant
	POM; low-halogen	ADJUSTMENT TOOL	variant
	POM; low-halogen	INDICATOR GS	4g
	POM; low-halogen	LOCK PLUG SWITCHES	variant
	POM; low-halogen	KNOP NSR GS	2g
	PC; GF 10%; low-halogen	STRAIN RELIEF (LOWER & UPPER)	22g
	PC; GF 10%; low-halogen	SWITCHES GS POLYCARBONAT PARTS	variant
	ABS+PC; low-halogen	SPACER PIECE GS	4g

Category	Material	Part Name	Weight
Metals	TPO SANTOPRENE 8201-70; low-halogen	LOCK COVER GS 1	1g
	Al alloy	UPPER HOUSING NSR GS	188g
	Al alloy	LOWER HOUSING NSR GS	165g
	Zn / Zn alloy	HUB GS	41g
	Zn / Zn alloy	HUB SHAFT ADAPTER GS	93g
	Zn / Zn alloy	MOTOR FLANGE INKL. SLIDER	45g
	Steel; Cr plated	SEVERAL SCREWS	10g
	Steel; Cr plated	GEAR SEGMENT GS	47g
	Steel	WASHERS	1g
	Steel	GEAR WHEELS NSR GS STEEL ASSY	49g
	Steel	PLATE NSR GS ASSY	75g
	Steel	PLATE SPRING GS LABORATORY	1g
	Steel	SHAFT ADAPTER STEEL PARTS GS	41g
	Steel	TORQUE BLADE GS ASSY INCL. 2xSCREWS	59g
	Steel	COMPRESSION SPRING NSR GS	1g
Others	Steel, Copper, PCB	MOTOR GS S LABORATORY	110g
	PVC	PVC CABLE 5 WIRES, 1METER LONG *	104g
	PVC	PVC CABLE 6 WIRES, 1METER LONG *	variant
	Steel, Copper, PCB	POTENTIOMETER	5g
	Steel, Copper	MICROSWITCH SAIA	variant
PCBAs (Printed Circuit Board assembled)	FR4 / CEM3; TBBA; solder SnAgCu	PCB ASSY LABORATORY SUPERCAPS GS	68g
	FR4 / CEM3; TBBA; solder SnAgCu	PCB ASSY MOTOR	6g

***Variant parts list**

	[g]	GNP191.1x; (lower fire load)	GNP196.1x (higher fire load)
Total weight of device		1'148	1'302
SWITCHES GS POM PARTS			12
ADJUSTMENT TOOL			2
LOCK PLUG SWITCHES		4	
SWITCHES GS POLYCARBONA			14
PVC CABLE 6 WIRES, 1METER			126
MICROSWITCH SAIA			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 (H2Si2O5), barium salt (1:1), lead-doped, CAS-Nr. 68784-75-8; Diboron trioxide, CAS-Nr.1303-86-2; BPA, CAS-Nr.80-05-7; Lead titanium trioxide, CAS-Nr.12060-00-3 ; 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.)

The device is low-halogen with exception of:
PVC cable; PCB (TBBA); Grease (PTFE)

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Further notes and comments:

SPECIAL COMPONENTS:*

PVC POWER CABLE: 1.5m => +35g / 2.5m => +105g / 5m => +280g

PVC SWITCHES CABLE: 1.5m => +50g / 2.5m => +150g / 5m => +400g

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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