



Environmental Product Declaration

Product	Type of equipment / Product No.	GDxxx.1x/xx; 6FU11xx-xDxxx-xxxx(lowest fire load) Damper Actuator; 5Nm GLBxxx.1x/xx; 6FU11xx-xLBxx-xxxx(highest fire load) Damper Actuator; 10Nm GLD161.1E (without cable) Damper Actuator; 8Nm		
	Product line, product range	Damper Actuator Baby GAP MK3 / OpenAirTM		
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	variant *) see below Energy consumption is between 0.6 and 7 kWh/a (depending mainly on running time of the actuator)		
	Maintenance	Not necessary None		
Risk of fire	Fire protection according to Fire load	EN 60730 & UL 60730 variant *) see below		
	Packaging	20-PAP Corrugated fiber board Cardboard & Paper variant 22-PAP paper Label variant 22-PAP paper Installation Instruction 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	POM; low-halogen	Various Gears, Indicator	variant	
	PC; low-halogen	Cover	variant	
	PC; GF 10%; low-halogen	Housing & Various Mech.Parts	variant	
	ABS; low-halogen	Various Mechanical Parts	2g	
	PA66; AF 20%; low-halogen	Various Gears	variant	
	PA66; low-halogen	Gear Wheel 3	7g	
	POM; GF 25%; low-halogen	CW/CCW Switch	variant	
	EPDM+PP (TPV); low-halogen	Various Sealing Parts	1g	
	POM; GF 26%; low-halogen	Rotary Knob	variant	
	Metals	Steel; zinc plated	Gear Plate, Square Nut, Socket Head Screw	208g
		Steel	Axles, Plate Spring	6g
		CuZn (Pb>0,1%)	Hexagon Nut	1g
Sintered Steel		Various Gears	variant	
	Steel stainless	Pin Torque Blade	2g	

Building Parts

Others	Steel, Copper, PCB	Motors	variant
	PVC	PVC Cable Switch	variant
	PVC	PVC Cable Power	variant
	Grease with PTFE	Lubricant	3g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	variant

*Variant parts list

	[g]	GDxxxx.1x/xx; 6FU11xx-xDxxx-xxxx (lowest fire load)	GLBxxx.1x/xx; 6FU11xx-xLBxx-xxxx (highest fire load)	GLD161.1E (without cable)										
Total weight of device	564	718	515											
Various Gears, Indicator	15	24	14											
Cover	46	45	45											
Housing & Various Mech.Parts	67	81	67											
Various Gears	2	4	4											
CW/CCW Switch	0													
Rotary Knob		0												
Various Gears	81	87	81											
Motors	31	32	45											
PVC Cable Switch		110												
PVC Cable Power	67	76												
PCBA	28	32	31											
Fire load	[MJ]	7	10	5										
Typical energy consumption	[kWh/a]	2	7	5										
Packaging														
Cardboard & Paper	[g]	39	66	66										
Label		1	1											
Installation Instruction		15	15											

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, including the 4 phthalates added to Annex II in 2015.

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

"The device releases under normal or reasonably foreseeable conditions Lead (Hexagon Nut), CAS-Nr.7439-92-1

. The device complies with the requirements of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (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. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

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

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

Building Parts

Further notes and comments:

SPECIAL COMPONENTS:

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

PVC OPT. POTENTIOMETER 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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