



Environmental Product Declaration

Product	Type of equipment / Product No.	GDxxxx.1x/xx;6FU11xx-xDxxx-xxxx(lowest fire load Damper Actuator; 5Nm GLxxxx.1x/xx;6FU11xx-xLxxx-xxxx(highest fire load Damper Actuator; 8Nm and 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
	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
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

Building Parts

*Variant parts list

	[g]	GDxxxx.1x/xx; 6FU11xx-xDxxx-xxxx (lowest fire load)	GLxxxx.1x/xx; 6FU11xx-xLxxx-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)

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.