



Environmental Product Declaration

Product	Type of equipment / Product No.	GJD121.1U	Damper Actuator; 4Nm
		GJD126.1U	Damper Actuator; 4Nm
		GJD221.1U	Damper Actuator; 4Nm
		GJD226.1U	Damper Actuator; 4Nm
		GJD321.1U	Damper Actuator; 4Nm
		GJD326.1U	Damper Actuator; 4Nm
	Product line	Damper Actuator GAP GSFS	
Process control	Siemens BFG Building Technologies Division 1000 Deerfield Parkway 60089, Buffalo Grove/Lake		
	Management System	since	by
	ISO 14001 (Environment)	20.10.1998	SQS
	ISO 9001 (Quality)	22.07.1986	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".		
Product use	Typical energy consumption	variant *) see below	
	Maintenance	Not necessary	
		None	
Risk of fire	Fire protection according to	UL 60730, EN 60730	
	Fire load	variant *) see below	
Packaging	20-PAP Corrugated fiber board	Cardboard	105g
	22-PAP paper	Label	1g
	22-PAP paper	Installation Instruction	16g
	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 F20; GF 20%; halogen-free	Gear Wheels, Switch Gears	variant
	POM; halogen-free	Bearing Ring	2g
	PBT; GF 30%; halogen-free	Plug	2g
	PC; GF 10%; halogen-free	Housings, conduit adapter, other	142g
	TPS SEBS; halogen-free	sealings	variant

PA66+PA6 CF30; CF 30%; halogen-free	Various gear parts	1g
PA6T/66 GF50; GF 50%; halogen-free	Gear Segment	11g
PBT GF30 FR(17); GF 30%; halogen-free	Spring Housing	15g

Metals	Sintered steel	Pinion	1g
	Steel; galvanized	Torque Blade	55g
	Steel	Maximo Spring; various metal parts	60g
	Steel; zinc plated	Various metal parts	1g
	Steel; phosphatized	Various coupling parts	23g
	Die casting zinc	Spring Core	8g
Others	Steel, Copper, PCBA	Motors	57g
	PVC / Copper	PVC Cable switch	variant
	PVC / Copper	PVC Cable output	2g
	PVC / Copper	PVC Cable power	31g
	Grease with PTFE	Grease Kluebersynth LI44-22	2g
	Grease	Grease Kluebersynth BLR 46-122	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	variant

***Variant parts list**

	GJD121.1U	GJD126.1U	GJD221.1U	GJD226.1U	GJD321.1U	GJD326.1U						
Total weight of device [g]	531	608	546	623	546	623						
Gear Wheels, Switch Gears	87	83	87	83	87	83						
Bearing Ring	2	2	2	2	2	2						
Plug	2	2	2	2	2	2						
sealings	1	2	1	2	1	2						
Various gear parts	0	0	0	0	0	0						
Maximo Spring; various metal parts	60	60	60	60	60	60						
PVC Cable switch		81		81		81						
PVC Cable output	2	2	2	2	2	2						
PVC Cable power	31	31	31	31	31	31						
Grease Kluebersynth LI44-22	1	1	1	1	1	1						
PCBA	33	33	48	48	48	48						
Fire load [MJ]	9	11	9	11	9	11						
Typical energy consumption [kWh/a]	42	42	42	42	59	59						

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. The relevant national legal rules are to be adhered too. 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.

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 halogen-free with exception of:

PCB (TBBA); Spring Housing (Flame retardants); Grease (PTFE); Cables (PVC)

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 BFG 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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