



Environmental Product Declaration

Product	Type of equipment / Product No.	GDxxx.1x/RW; (lowest fire load)	Damper Actuator; 5Nm
		GLxxx.1x/RW(1); (highest fire load)	Damper Actuator; 10Nm
		GDxxx.1x/RWT; (lowest fire load)	Damper Actuator 5Nm with Amphenol Conn
		GLxxx.1x/RWT; (highest fire load)	Damper Actuator 10Nm with Amphenol Conn
		GDx26x.1x/RW; (lowest fire load)	Damper Actuator; 5Nm
		GLx26x.1x/RW(1); (highest fire load)	Damper Actuator; 10Nm
		GDx26x.1x/RWT; (lowest fire load)	Damper Actuator; 5Nm
		GLx26x.1x/RWT; (highest fire load)	Damper Actuator; 10Nm
	Product line	Damper Actuator Baby GAP MK3 Railway / OpenAirTM	
Process control	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 CH-6300 Zug		
	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"		
Product use	Typical energy consumption	variant *) see below Energy consumption is between 0.2 and 7 kWh/a	
	Maintenance	Not necessary None	
Risk of fire	Fire protection according to	EN 45545 & EN 60730	
	Fire load	variant *) see below	
Packaging	20-PAP Corrugated fiber board	Cardboard & Paper	variant
	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; halogen-free	Various Gears, Indicator
PC; halogen-free		Cover	variant
PC; GF 10%; halogen-free		Housing & Various Mech.Parts	variant
ABS; halogen-free		Various Mechanical Parts	2g
PA66; AF 20%; halogen-free		Various Gears	variant

	PA66; halogen-free	Gear Wheel 3	7g
	POM; GF 25%; halogen-free	CW/CCW Switch	variant
	EPDM+PP (TPV); halogen-free	Various Sealing Parts	1g
	POM; GF 26%; halogen-free	Rotary Knob	variant
Metals	Steel; zinc plated	Gear Plate, Square Nut, Socket Head Screw	208g
	Steel	Axles, Plate Spring	6g
	CuZn	Hexagon Nut	1g
	Sintered Steel	Various Gears	variant
	Steel stainless	Pin Torque Blade	2g
Others	Steel, Copper, PCB	Motors	variant
	Halogen free Plastic	Cable Switch	variant
	Halogen free Plastic	Cable Power	variant
	Grease with PTFE	Lubricant	3g
	Steel, PA66 with 25%GF,PP, RBB	Amphenol Connector	variant
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	variant

***Variant parts list**

	GDxxxx.1x/RW; (lowest fire load)	GLxxxx.1x/RW(1); (highest fire load)	GDxxxx.1x/RWT; (lowest fire load)	GLxxxx.1x/RWT; (highest fire load)	GDx26x.1x/RW; (lowest fire load)	GLx26x.1x/RW(1); (highest fire load)	GDx26x.1x/RWT; (lowest fire load)	GLx26x.1x/RWT; (highest fire load)
Total weight of device [g]	564	723	577	748	631	790	656	828
Various Gears, Indicator	15	24	15	24	15	24	15	24
Cover	46	45	46	45	46	45	46	45
Housing & Various Mech.Parts	67	81	67	81	67	81	67	81
Various Gears	2	4	2	4	2	4	2	4
CW/CCW Switch	0		0		0		0	
Rotary Knob		0		0		0		0
Various Gears	81	87	81	87	81	87	81	87
Motors	31	32	31	32	31	32	31	32
Cable Switch		110		110		110		110
Cable Power	67	76	67	76	134	143	134	143
Amphenol Connector			13	25			25	38
PCBA	28	37	28	37	28	37	28	37
Fire load [MJ]	7	10	7	10	8	12	8	12
Typical energy consumption [kWh/a]	2	7	2	7	2	7	2	7
Packaging								
Cardboard & Paper [g]	39	66	39	66	39	66	39	66

Disposal

The device should not be disposed of as unsorted municipal waste. The special treatment for specific components may be mandated by law or ecologically sensible. 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 free from substances which interfere with lacquer wetting.

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

Further notes and comments:

SPECIAL COMPONENTS:

HALOGEN FREE POWER CABLE: 3m => +140g

HALOGEN FREE OPT. POTENTIOMETER CABLE: 3m => +160g

HALOGEN FREE SWITCHES CABLE: 3m => +230g

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.