



Environmental Product Declaration

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|--|---|--|---|
| Product | Type of equipment / Product No. | GDxxxx.1x/xx;6FU11xx-xDxxx-xxxx(lowest fire load) GLxxxx.1x/xx;6FU11xx-xLxxx-xxxx(highest fire load) GLD161.1E (without cable) | Damper Actuator; 5Nm Damper Actuator; 8Nm and 10Nm Damper Actuator; 8Nm |
| | Product line, Product range | Damper Actuator Baby GAP MK3 / OpenAirTM | |
| | <hr/> | | |
| Process control | Siemens Schweiz AG Smart Infrastructure 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 | variant *) see below Energy consumption is between 0.6 and 7 kWh/a (depending mainly on running time of the actuator). Assumption in the table below: 10% operational time. | |
| | 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 | 1.0g |
| | 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 | Various Gears, Indicator | variant |
| | PC | Cover | variant |
| | PC; GF 10% | Housing & Various Mech.Parts | variant |
| | ABS | Various Mechanical Parts | 1.1g |
| | PA66; AF 2% | Various Gears | variant |
| | PA66 | Gear Wheel 3 | 6.5g |
| | POM; GF 25% | CW/CCW Switch | variant |
| | EPDM+PP (TPV) | Various Sealing Parts | variant |
| POM; GF 26% | Rotary Knob | variant | |

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|---|--------------------------|---|---------|
| Metals | Steel; zinc plated | Gear Plate, Square Nut, Socket Head Screw | 207.2g |
| | Steel | Axles, Plate Spring | 5.3g |
| | CuZn (Pb>0,1%) | Hexagon Nut | 0.9g |
| | Sintered Steel | Various Gears | variant |
| | Steel stainless | Pin Torque Blade | 1.8g |
| Others | Steel, Copper, PCB | Motors | variant |
| | PVC | PVC Cable Switch | variant |
| | PVC | PVC Cable Power | variant |
| | Grease with PTFE | Lubricant | 2.9g |
| PCBAs (Printed Circuit Board assembled) | FR4; TBBA; solder SnAgCu | PCBA | variant |

***Variant parts list**

| | 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 | [g] 563.6 | 717.4 | 514.1 |
| Various Gears, Indicator | 15.4 | 24.3 | 14.3 |
| Cover | 46.2 | 45.3 | 45.3 |
| Housing & Various Mech.Parts | 66.8 | 80.8 | 67.0 |
| Various Gears | 1.7 | 4.2 | 4.2 |
| CW/CCW Switch | 0.3 | | |
| Various Sealing Parts | 0.2 | 0.4 | 0.4 |
| Rotary Knob | | 0.4 | |
| Various Gears | 81.4 | 87.0 | 81.4 |
| Motors | 30.6 | 32.0 | 44.5 |
| PVC Cable Switch | | 109.8 | |
| PVC Cable Power | 67.1 | 75.5 | |
| PCBA | 28.2 | 32.0 | 31.3 |
| Fire load | [MJ] 7 | 10 | 5 |
| Typical energy consumption | [kWh/a] 1.76 | 6.14 | 4.38 |
| Packaging | | | |
| Cardboard & Paper | [g] 39.1 | 65.8 | 65.8 |
| Installation Instruction | 15.1 | 15.1 | |

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.)

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

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