



Environmental Product Declaration

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|------------------------|--|------------------------------------|--------------------|--|
| Product | Type of equipment / Product No. | GHT336.1A/... | | |
| | Designation | Damper Actuator | | |
| | Product line | OpenAir™ | | |
| Process control | Beijing Siemens Cerberus Electronic Ltd. Building Technologies Division No. 18 Xinxin Road, Shangdi Information Base 100085, Beijing, China | | | |
| | Management System | since | by | |
| | ISO 14001 (Environment) | 08.05.2005 | SGS | |
| | ISO 9001 (Quality) | 10.11.2006 | LPCB | |
| Product use | Typical energy consumption | 6 ... 27kWh/a | | |
| | Maintenance | Not necessary | | |
| Risk of fire | Fire protection according to | EN 60730 | | |
| | Fire load | 3 ... 7MJ | | |
| Packaging | 20-PAP Corrugated fiber board | Box | variant 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 | PP; halogen-free | Cable gland | variant | |
| | NBR; halogen-free | O-ring | variant | |
| | PC; halogen-free | Perspective window | variant | |
| | ABS; halogen-free | capacitance | variant | |
| Metals | Al alloy; powder-coated | Housing | variant | |
| | Stainless steel | Screw, bolt, spring washer, washer | variant | |
| | Steel >5% alloyed | Key | variant | |
| | Steel >5% alloyed | Gear box | variant | |
| Others | Steel >5% alloyed; nickel plated | Plate, Shaft | variant | |
| | Steel; nickel plated | cam | 30g | |
| | Steel >5% alloyed; nickel plated | Ball bearing | variant | |
| | Cu alloy | Brass gear | variant | |
| | Al alloy; powder-coated | Handwheel | variant | |
| | Moter | Motor | variant | |
| | Special | Heater | variant | |
| | PVC+Cu(Ni plated) | Cable | variant | |
| | ABS+Cu | Capacitor | variant | |

| | | | |
|---|--------------------------------|----------------|---------|
| | Nylon+Cu | Terminal | variant |
| | PBT+Cu | Limited switch | variant |
| PCBAs (Printed Circuit Board assembled) | FR4; halogen-free; solder SnCu | Connect board | variant |

***Variant parts list**

| | [g] | GHT336.1A/35 | GHT336.1A/90 | GHT336.1A/150 | GHT336.1A/400 | GHT336.1A/600 | | |
|------------------------------------|-----|--------------|--------------|---------------|---------------|---------------|--|--|
| Total weight of device | | 3,583 | 11,052 | 11,052 | 21,964 | 21,967 | | |
| Cable gland | | 20 | 25 | 25 | 25 | 25 | | |
| O-ring | | 5 | 10 | 10 | 15 | 15 | | |
| Perspective window | | 10 | 15 | 15 | 15 | 15 | | |
| capacitance | | 16 | 40 | 40 | 77 | 80 | | |
| Housing | | 1,610 | 3,660 | 3,660 | 6,245 | 6,245 | | |
| Screw, bolt, spring washer, washer | | 85 | 160 | 160 | 395 | 395 | | |
| Key | | 5 | 5 | 5 | 10 | 10 | | |
| Gear box | | 485 | 2,670 | 2,670 | 7,245 | 7,245 | | |
| Plate, Shaft | | 415 | 1,635 | 1,635 | 2,795 | 2,795 | | |
| Ball bearing | | 20 | 30 | 30 | 30 | 30 | | |
| Brass gear | | | 675 | 675 | 1,135 | 1,135 | | |
| Handwheel | | 75 | 365 | 365 | 775 | 775 | | |
| Motor | | 745 | 1,590 | 1,590 | 3,015 | 3,015 | | |
| Heater | | 5 | 15 | 15 | 20 | 20 | | |
| Cable | | 7 | 15 | 15 | 15 | 15 | | |
| Capacitor | | 20 | 60 | 60 | 70 | 70 | | |
| Terminal | | 20 | 30 | 30 | 30 | 30 | | |
| Limited switch | | 5 | 20 | 20 | 20 | 20 | | |
| Connect board | | 5 | | | | | | |

Packaging

| | [g] | 400 | 690 | 690 | 1,500 | 1,500 | | |
|-----|-----|-----|-----|-----|-------|-------|--|--|
| Box | | | | | | | | |

Disposal

The device is classified as waste electronic equipment in terms of the European Directive 2002/96/EC (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered to. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

EU-directive 2002/95/EC (RoHS)

The device is free from substances banned by the EU-Directive 2002/95/EC (RoHS) - allowing for the exemptions acc. to Decision 2010/571/EU: Pb, Hg, Cr6+, PBB, PBDE: <0.1% by weight in homogeneous materials
Cd: <0.01% by weight in homogeneous materials

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.

Environmental benefits

Due to their robust design, the electric actuators have an extremely long service life and are maintenance-free.

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.

Beijing Siemens Cerberus Electronic Ltd. 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.