



## *Environmental Product Declaration*

|                        |   |                                      |              |
|------------------------|---|--------------------------------------|--------------|
| <b>Product</b>         | Type of equipment                                       | <b>GGAx26.xA/xx ... GGAx26.xX/xx</b> |              |
|                        | Designation   | <b>Damper Actuator</b>               |              |
|                        | Product line  | <b>OpenAir™</b>                      |              |
| <b>Process control</b> | Siemens Switzerland Ltd.<br>Gubelstrasse 22<br>6301 Zug |                                      |              |
|                        | Management System                                       | since                                | by           |
|                        | ISO 14001 (Environment)                                 | <b>20.10.1998</b>                    | <b>BSI</b>   |
|                        | ISO 9001 (Quality)                                      | <b>22.07.1986</b>                    | <b>BSI</b>   |
| <b>Product use</b>     | Typical energy consumption per year                     | <b>6 ... 7 kWh/a</b>                 |              |
|                        | Maintenance   | <b>Not necessary</b>                 |              |
| <b>Risk of fire</b>    | Fire protection according to                            | <b>EN60730 &amp; UL873</b>           |              |
|                        | Fire load   | <b>8 ... 9 MJ *)</b>                 |              |
| <b>Packaging</b>       | 21-PAP Fiber board                                      | <b>Cardboard &amp; Paper</b>         | <b>117 g</b> |
|                        | Notes on disposal                                       | <b>One-way, recyclable</b>           |              |

\*) max. 26 MJ (aux. switches types with 5 m cables)

| <b>Materials</b> |                 | Total weight device      | <b>2278 ... 2594 g</b> |
|------------------|-----------------|--------------------------|------------------------|
| Plastics         | POM             | Various Plastic parts    | <b>32 g</b>            |
|                  | ABS+PC GF 10    | Various Plastic parts    | <b>37 g</b>            |
|                  | PBT             | PCB SUPPORT              | <b>26 g</b>            |
|                  | ABS+PC          | SPACER PIECE COVER THERM | <b>30 g</b>            |
|                  | PA66 RF 20      | GEAR WHEEL 9 SR MK2      | <b>2 g</b>             |
| Metals           | Aluminum        | housings                 | <b>738 g</b>           |
|                  | ZnAl            | hub + springcore         | <b>284 ... 304 g</b>   |
|                  | Steel           | various steelparts       | <b>765 ... 768 g</b>   |
| Others           | Steel, Copper   | Motor                    | <b>103 g</b>           |
|                  | Polyolefin      | HALONFREE CABLE          | <b>144 ... 199 g</b>   |
|                  | Steel, Copper   | Transformer              | <b>0 ... 356 g</b>     |
|                  | Copper, plastic | Microswitch              | <b>5 g</b>             |
|                  | Copper, plastic | Switch and sensor        | <b>7 g</b>             |
| PCB assembled    | FR4 / CEM3      | SnAgCu                   | PCB ASSY <b>50 g</b>   |

## 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

### Materials

The device is free from substances banned by the Directive 2002/95/EC (RoHS):

Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials

Cd: < 0.01 % by weight in homogeneous materials

### 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

### Environmental benefits

HIGH TORQUE / FORCE AT SMALL SIZE AND WEIGHT!

LOW POWER CONSUMPTION: 7...8VA

EASILY DEMOUNTABLE

### Emissions

#### 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.