



Environmental Product Declaration

Product	Type of equipment	GMAxxx.xA/xx ... GMAxxx.xX/xx	
	Designation	Damper Actuator	
	Product line	OpenAir™	

Process control Siemens Switzerland Ltd.
Gubelstrasse 22
6301 Zug

Management System	since	by
ISO 14001 (Environment)	20.10.1998	BSI
ISO 9001 (Quality)	22.07.1986	BSI

Product use	Typical energy consumption per year	4 ... 6 kWh/a
	Maintenance	Not necessary

Risk of fire	Fire protection according to	EN60730 & UL873
	Fire load	4 ... 8 MJ *)

Packaging	21-PAP Fiber board	Cardboard & Paper	98 g
	Notes on disposal	One-way, recyclable	

***) max. 25 MJ (aux. switches types with 5 m cables)**

Materials		Total weight device	1146 ... 1507 g
Plastics	POM	Various Plastic parts	18 ... 28 g
	ABS+PC GF 10	Various Plastic parts	33 ... 47 g
	ABS+PC	SPACER PIECE GS	4 g
	PA66 RF 20	GEAR WHEEL 8/9 GS; PINION 10 GS	2 g
Metals	Aluminum	housings & HEAT TRANSFER BOLT GS	342 g
	ZnAl	hub + SPRING CORE GS	140 g
	Steel	various steelparts	461 g
Others	Steel, Copper	Motor	43 g
	PVC	PVC Cables	65 ... 207 g
	Steel, Copper	Transformer	0 ... 180 g
	Copper, plastic	Feed back poti	0 ... 5 g
	Copper, plastic	Microswitch	0 ... 5 g
PCB assembled	FR4 / CEM3	SnAgCu	PCB ASSY 37 ... 42 g

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: 5...7VA

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.

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Please contact your local Siemens branch office to get further information on environmental aspects and disposal.