



Environmental Product Declaration

Product	Type of equipment	GMAxxx.9A/xx ... GMAxxx.9X/xx	
	Designation	Ball Valve 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 ... 11 MJ *)

Packaging	20-PAP Corrugated fiber board	Cardboard & Paper	200 g
	Notes on disposal	One-way, recyclable	

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

Materials		Total weight device	1381 ... 1742 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	
	PBT GF 30	VARIOUS PLASTIC PARTS	145 g	
	PA66 RF 20	GEAR WHEEL 8/9 GS; PINION 10 GS	2 g	
	PE	BAG	2 g	
Metals	Aluminum	HOUSING & HEAT TRANSFER BOLT GS	342 g	
	ZnAl	HUB + SPRING CORE GS	140 g	
	ZnAl	UNIVERSAL SHAFT	88 g	
	Steel	VARIOUS STEELPARTS	462 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.

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.