



Environmental Product Declaration

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.