SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product	Type of equipment / Product No.	MXG462S40-20	Modulating control valve with magnetic actuator, PN16
	Product line, product range	Acvatix - Valve & Actuator	

Process control	Siemens Schweiz AG		
	Smart Infrastructure		
	Theilerstrasse 1a		
	CH-6300 Zug		
	Management System	since	by
	ISO 9001 (Quality)	22.07.1986	SQS
	ISO 14001 (Environment)	20.10.1998	SQS

Environmentally compatible product design

Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

Product use	Typical energy consumption	106kWh/a
	Maintenance	Not necessary
Risk of fire	Fire protection according to	UL 873
	Fire load	11MJ

Packaging	21-PAP Non-corrugated fibreboard	cardbord cover	518g
	6-PS Polystyrene	transport protection	499g
	22-PAP Paper	mounting instruction	10g
	Notes on disposal	One-way, recyclable	

Materials	Total weight of device		11'928g
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
Plastics	PC; GF 10%	Mask, covers, cam, handwheelfibre optic	214g
	PA6; GF 30%	coil body	94g
	PVC soft	insulating tube, buffer	23g
	NBR	o-rings	2g
	EPDM	o-rings	2g
	PE	Protection Plug	3g
	NBR	seal	7g
Metals	Steel stainless	valve body, cover, valve cage, quide star	4'356g
	Steel stainless	bellow, Sealing disc, discs	202g
	Steel stainless	schafts, stem bushing, valve seat	183g
	Steel stainless	springs,	85g
	Steel	steel coat, flanges	2'145g
	Steel; nickel plated	anchor, bushing	699g
	Steel; zinc plated	core, coupling, pillars,screws	1'240g
	Al alloy	clamping ring, base	538g

	Cu	coll winding	1'926g
	CuZnPb	case, schaft, various parts	95g
Others	Grease with silicon	Lubricant	8g
	PVC	Flat Ribbon cable	2g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCBA	74g
	FR4	Adapter boards	31g

Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

Comments

EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

Regulation (EC) No. 1907/2006 (REACH)

The device contains the following 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. Contained REACH candidate substances, including those which will become known at a later date, are listed on the delivery note.
Lead , CAS-Nr.7439-92-1

(Status according to the creation date of this document.)

The device is low-halogen with exception of:
PVC cable; PCB (TBBA)

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.

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.

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