



Environmental Product Declaration

Product	Type of equipment / Product No.	MVL 661.32-12 MVL 661.32-10	
	Designation	Refrigerant valve	
	Product line	Valves and actuators	
Process control	Siemens Schweiz AG Building Technologies Division Gubelstrasse 22 6301 Zug - CH		
	Management System	since	by
	ISO 14001 (Environment)	06.12.2002	Gerling Cert
	ISO 9001 (Quality)	06.11.1989	SQS / VdS
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 No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
Product use	Typical energy consumption	87kWh/a	
	Maintenance	Not necessary	
	Fire load	11MJ	
Packaging	20-PAP Corrugated fiber board	Carton Box	117g
	6-PS	Half-shell	146g
	22-PAP paper	Paper printed	5g
	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	PC, GF10; halogenated	Cover, base, mask	189g
	PBT, GF30; halogen-free	Coil cover (overmoulding)	92g
	PBT, GF30; halogen-free	Coil body	33g
	VMQ Silicone rubber	O- rings, seals	9g
	PTFE	Sealing disk, guide elements	6g
	CuZn39Pb	Clamping piece, Stem lower, piston	variant
	Steel; nickel plated	Screws, distance ring	32g
	CuSn	Coil winding	540g
	steel CrNi	Valve body, stem, pressure ring , cover, cylinder	variant
	Steel	U-bracket, core, pressure tube, bushing	1'437g
	Steel	Anchor, core (stroke indicator)	377g
	CuSn	Sinter filter	7g
	PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCB (circuit board with components)

***Variant parts list**

	MVL 661.32-12	MVL 661.32-10										
Total weight of device [g]	5'764	5'675										
Clamping piece, Stem lower, piston	441	306										
Valve body, stem, pressure ring ,	2'523	2'569										

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. The relevant national legal rules are to be adhered too. 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.

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.)

The device is halogen-free with exception of:
PCB; Cover, Base, Mask

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.

22.10.2014