



Environmental Product Declaration

Product	Type of equipment / Product No.	MVL702.09-09-0.1	S55320-M131
		MVL702.10-10-0.1	S55320-M116
		MVL702.09-09-0.2	S55320-M132
		MVL702.10-10-0.2	S55320-M117
	Product line, Product range	Refrigerant valve with magnetic actuator, PS50	
Process control	Siemens Switzerland Ltd		
	Theilerstrasse 1a		
	CH-6300 Zug		
	Management System	since	by
	ISO 9001 (Quality)	22-July-1986	SQS
	ISO 14001 (Environment)	20-October-1998	SQS
	OHSAS 18001 (OH&S)	01-January-2011	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	36,792kWh/a	
	Maintenance	Not necessary	
	Fire load	1MJ	
Packaging	22-PAP Paper	Single Packaging Box	156g
	22-PAP Paper	Single Packaging Insert	464g
	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	PE	Plug Seal	2g
Metals	Steel; Fe / Mn phosphate coated	Pole	57g
	Steel	Solenoid cover	409g
	Steel	Solenoid disc	141g
	steel CrNi	Spring	3g
	Steel; Fe / Mn phosphate coated	Anchor	229g
	CuZnPb	Stroke stem	7g
	Steel; Tin plated	Cylindrical bush	14g
	steel CrNi	Upper cover	415g
	steel CrNi	Connector	18g
	steel CrNi	Valve body	243g
	steel CrNi	Plunger	8 ... 9g
	steel CrNi	Conduit adapter	8g
Others	Cu/PPS	Solenoid	413g
	Cu/PPS	Differential solenoid	9g

***Variant parts list**

Total weight of device

[g]	MVL702.09-09-0.1	MVL702.10-10-0.1	MVL702.09-09-0.2	MVL702.10-10-0.2
	1.977	1.977	1.976	1.976

Disposal



The symbol or any other national label indicates the product, its packaging and where applicable, any removed batteries may not be disposed as part of normal waste. Delete any personal data and dispose of the item via separate collection and recycling facilities in accordance with local and national regulations. For additional details, refer to www.siemens.com/bt/disposal.

For country-specific requirements regarding further disposal information:
<http://www.siemens.com/download?A6V13734633>

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 meeting the criteria laid down in Article 57 of Regulation (EC) 1907/2006 and identified in accordance with Article 59(1) of EU REACH 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 (Pb) [BT-code 9030], CAS-Nr.7439-92-1

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

Environmental benefits

MVL702 is a component for heat pumps and air conditional systems.

MVL702 supports natural refrigerants like propene and other hydrocarbons.

MVL702 can lead to energy savings of about 10-20% for heat pumps and air conditional systems.

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 Switzerland 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.