



Environmental Product Declaration

Product	Type of equipment / Product No.	WFM681-G00xHxx	Heat energy meter set
		WFM682-G00xHxx	Heat energy meter set
		WFM683-L00xHxx	Heat energy meter set
		WFN681-G00xHxx	Heat/cooling energie meter set
		WFN682-G00xHxx	Heat/cooling energie meter set
		WFN683-L00xHxx	Heat/cooling energie meter set
	Product line, Product range	Metering	
Process control	Siemens Schweiz AG		
	Smart Infrastructure		
	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
Product use	Typical energy consumption	7.008kWh/a during 6 years lifetime (770mWh/a)	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN609050; IEC 62368-1, IEC 60065, IEC 60950-1+A1+A2	
	Fire load	7MJ	
Packaging	20-PAP Corrugated fibreboard	Folded bottom box	52g
	20-PAP Corrugated fibreboard	Insert	22g
	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	PPO; low-halogen	End plate	17g
	ABS+PC; low-halogen	Housing	38g
	ABS+PC; low-halogen	Cover	26g
	Q Silicone rubber; low-halogen	Button	4g
	ABS+PC; low-halogen	Side cap	variant
	PP; low-halogen	Impeller	3g
	ABS+PC; low-halogen	LCD-Frame	variant
	ABS+PC; low-halogen	Sliding seal	2g

	ABS+PC; low-halogen	Wedge	2g
	ABS+PC; low-halogen	Bottom coil carrier	18g
	ABS+PC; low-halogen	Cover coil carrier	10g
	ABS+PC; low-halogen	Stain relief SP-support	2g
	ABS+PC; low-halogen	cover-module	9g
	ABS+PC; low-halogen	housing-module	16g
Metals	CuZnPb	Temperature sensor socket	5g
	CuZnPb	Screw connection half-shell	variant
	CuZnPb	Washer	3g
	CuZnPb	Screw connection half-shell	10g
	CuZnPb	Housing	variant
	CuZnPb	Threaded ring	45g
Others	Glass	LCD	8g
	Cu + PVC	Temperature sensor 1	20g
	Cu + PVC	Temperature sensor 2	35g
	CR AA, Li-MnO ₂	1st battery / accumulator	22g
	Cu + PVC	Communication cable	9g
	2K PUR	Potting compound	variant
PCBAs (Printed Circuit Board assembled)	2/3 CR AA, Li-MnO ₂	2nd battery / accumulator	16g
	FR4; halogenated; solder SnAgCu	PCB 1	33g
	FR4; halogenated; solder SnAgCu	PCB 2	4g
	FR4; TBBA; solder SnAgCu	PCB 3	7g

*Variant parts list

Total weight of device

Side cap

LCD-Frame

Screw connection half-shell

Housing

Potting compound

[g]	WFM681-G00xHxx	WFM682-G00xHxx	WFM683-L00xHxx	WFN681-G00xHxx	WFN682-G00xHxx	WFN683-L00xHxx
	771	755	851	789	773	869
	4	4	4			
				4	4	4
	10	10	12	10	10	12
	395	379	474	395	379	474
				18	18	18

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. 1,2-dimethoxyethane, also known as EGDME (EGDME), CAS-Nr.110-71-4; Lead, CAS-Nr.9002-86-2

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

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

Smart Infrastructure

Building Products

Environmental benefits

The heat meter is used for measuring heat energy. The combined measurement of heat and cold energy is possible. The main areas of application are in central heating systems where the heating energy is outputted individually to different consumers.

Q modules are separate add-on modules and impulse adapters with which you can extend the performance capabilities of our measuring devices. They

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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