SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product

Type of equipment / Product No.	S55561-F284	WSM843-FDBAE3A
	S55561-F285	WSM853-FDBAE3A
	S55561-F286	WSN843-FDBBF3A
	S55561-F287	WSN853-FDBBF3A

Product line, product range WSx8

Process control

Landis+Gyr GmbH
HEAT
Humboldtstraße 64
90459, Germany

Management System	since	by
ISO 9001 (Quality)		DQS
ISO 14001 (Environment)		DQS
OHSAS 18001 (OH&S)		DQS

Product use

Typical energy consumption	1kWh/a Mbus module 42V / 1.5mA -> 63mW / Meter 1Ah@3,6V/Year -> 410µW
Maintenance	Not necessary

Risk of fire

Fire protection according to	EN 60730
Fire load	variant *) see below

Packaging

20-PAP Corrugated fiber board	Cardboard	252g
PE	Packaging for Gasket Set	2g
PE	Air Foil	4g
22-PAP Paper	Filling paper	6g
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	Aramidfaser + NBR	gasket flow part	3g
	PA; GF 40%	plasticpart transducer	8g
	FKM	damping body transducer	1g
	PBT; GF 15%	adapter plate	8g
	PBT; GF 20%	Transducer cover small	20g
	PC; GF 10%	Housing lower part	110g
	PC; GF 10%	Housing Cover	40g
	TPE-S	Gasket Cover, cable, battery enclosure	14g
	PC; GF 10%	Cover Battery	14g
	PC; GF 10%	Cover PCB	18g
	PC; GF 10%	Cover Module	8g
	PVC; halogenated	Label sensors / marking ring sensors	2g
	PPS; GF 30%	flow straightener	5g

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Metals	CuZnPb	Armature	variant
	Steel stainless	Transducer cup + Cover	6g
	Steel stainless	reflector	6g
	Steel >5% alloyed	magnetic shield	4g
	Steel stainless	screws, plates	7g
	Steel >5% alloyed	screws, plates	3g
	Steel <=5% alloyed	Seal + Wire	2g
	CuZnPb	sensor adapter	14g
Others	Cu / Al / Polyester fleece / Silicone	Cable / Wire	38g
	Cu / TPE-U	temperature sensor DS 38 mm 1.5 m	90g
	Piezoceramic (PZT)	transducer	1g
	Lithium-Thionylchloride	Batteries	variant
	22-PAP paper	Operating Instructions. SBT 18-lang.	86g
	22-PAP paper	Installation Instructions, SBT 18-lang.	176g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	main PCB	44g
	FR4; halogenated; solder SnAgCu	M-Bus	12g

Special components (part of the assembled PCB)	Passive components	157pcs
	Active components	8pcs
	ICs	6pcs

Weights in brackets are already included in components declared under materials. (part of the assembled PCB)

***Variant parts list**

	[g]	S55561-F284	S55561-F285	S55561-F286	S55561-F287								
Total weight of device		1'737	1'697	1'754	1'714								
Armature		980	940	980	940								
Batteries		17	17	34	34								
Fire load	[MJ]	10	10	11	11								

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 titanium zirconium oxide, CAS-Nr.12626-81-2; Lead, CAS-Nr.7439-92-1

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

The device is low-halogen with exception of:
Cableparts (ETFE isolation); damping body of transducers (FKM); 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.

Landis+Gyr GmbH 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.