



## Environmental Product Declaration

### Product

Type of equipment / Product No.	S54333-F101-A1	FDA261 Aspirating Smoke Detector
	S54333-F101-A2	FDA261-CN Aspirat. Smoke Det. (CN Ver.)
	S54333-F102-A1	FDA262 Aspirating Smoke Detector
	S54333-F102-A2	FDA262-CN Aspirat. Smoke Det. (CN Ver.)
	S54333-F105-A1	FDA222 Aspirating Smoke Detector
	S54333-F105-A2	FDA222-CN Aspirat. Smoke Det. (CN Ver.)
	S54333-F106-A1	FDA242 Aspirating Smoke Detector
	S54333-F106-A2	FDA242-CN Aspirat. Smoke Det. (CN Ver.)
	S54333-F120-A1	FDA461 Aspirating smoke detector
	S54333-F121-A1	FDA462 Aspirating smoke detector
	S54333-F110-A1	FDA422 Aspirating smoke detector
	S54333-F111-A1	FDA442 Aspirating smoke detector
Product line, Product range	Fire Safety Detection	

### Process control

Siemens Schweiz AG 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	variant *) see below	
Maintenance	Not necessary	
Fire load	variant *) see below	
20-PAP Corrugated fibreboard	Folded bottom box	355g
20-PAP Corrugated fibreboard	Insert printed	190g
4-LDPE Low density polyethylene	Bag 400 x 600	18g
22-PAP Paper	Leaflet	variant
4-LDPE Low density polyethylene	Protective plug GPN 600	variant
4-LDPE Low density polyethylene	Connector set (only bad)	2g

### 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

ABS+PC	Enclosure base	variant
ABS+PC	Locking bolt	2g
ABS+PC	Enclosure cover	490g
ABS+PC	Bezel	190g
ABS+PC	Venturi tube	70g
TPV	Y-Pipe	variant
TPV	I-Pipe	variant
PC	Chamber enclosure to FDAxx	variant

Building Parts

	ABS	Carrier	65g
	PMMA	Diffusor large	2g
	PMMA	Diffusor small	3g
	ADH	Actuator	2g
	CR	Gasket	1g
	CR	chamber gasket to FDAx	variant
	PPE	Aspirator Holder	65g
	TPV	Filter	variant
Metals	Steel	Screw for Plastic K30x20	variant
	Steel	Screw for Plastic K30x12	variant
	Steel	Screw for Plastic K30x8	variant
Others	Plastic and metal	Connector set	20g
	Plastic, metal and electronic	Motors	120g
		External electric cables / wires	4g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	PCB-A FDA26x Chamber Board	variant
	FR4; TBBA; solder SnAgCu	PCB assembled to FDAxx-Preamp. (mech)	variant
	FR4; TBBA; solder SnAgCu	Blue-LED board ass. to FDAxx	variant
	FR4; TBBA; solder SnAgCu	IR-LED board ass. to FDAxx	variant
	FR4; TBBA; solder SnAgCu	PCB-A FDA26x Main Board	140g
	FR4; TBBA; solder SnAgCu	PCB-A FDA26x Display Board	68g
	FR4; TBBA; solder SnAgCu	Flow sensor board ass. to chambermodule	variant

\*Variant parts list

	S54333-F101-A1	S54333-F101-A2	S54333-F102-A1	S54333-F102-A2	S54333-F105-A1	S54333-F105-A2	S54333-F106-A1	S54333-F106-A2	S54333-F120-A1	S54333-F121-A1	S54333-F110-A1	S54333-F111-A1
Total weight of device [g]	2,703	2,703	2,703	2,703	2,411	2,411	2,411	2,411	2,703	2,703	2,411	2,411
Enclosure base	854	854	854	854	860	860	860	860	854	854	860	860
Y-Pipe	50	50	50	50					50	50		
I-Pipe					27	27	27	27			27	27
Chamber enclosure to FDAxx	320	320	320	320	160	160	160	160	320	320	160	160
chamber gasket to FDAx	10	10	10	10	5	5	5	5	10	10	5	5
Filter	4	4	4	4	2	2	2	2	4	4	2	2
Screw for Plastic K30x20	14	14	14	14	11	11	11	11	14	14	11	11
Screw for Plastic K30x12	7	7	7	7	4	4	4	4	7	7	4	4
Screw for Plastic K30x8	8	8	8	8	4	4	4	4	8	8	4	4
PCB-A FDA26x Chamber Board	180	180	180	180	90	90	90	90	180	180	90	90
PCB assembled to FDAxx-Preamp	8	8	8	8	4	4	4	4	8	8	4	4
Blue-LED board ass. to FDAxx	2	2	2	2	1	1	1	1	2	2	1	1
IR-LED board ass. to FDAxx	2	2	2	2	1	1	1	1	2	2	1	1
Flow sensor board ass. to chamb	2	2	2	2	1	1	1	1	2	2	1	1
Fire load [MJ]	86	86	86	86	78	78	78	78	86	86	78	78
Typical energy consumption [kWh/a]	48.180	48.180	59.568	59.568	24.528	24.528	32.412	32.412	48.180	59.568	42.924	53.436
Packaging												
Leaflet	5	18	5	18	5	18	5	18	3	3	3	3
Protective plug GPN 600	5	5	5	5	3	3	3	3	5	5	3	3

## Building Parts

### 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](http://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 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.

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

#### 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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