SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021



Environmental Product Declaration

Product

Type of equipment / Product No.	QNA2700D.BA1	QNA2700D.BA1 IAQ Multi Sen BACIP Cert
	QNA2700D.BA2	QNA2700D.BA2 IAQ Multi Sen BACMS Cert
	QNA2820D.EU	QNA2820D.EU IAQ Multi Sen LoRa.EU Cert
	QNA2820D.US	QNA2820D.US IAQ Multi Sen LoRa.US Cert
	QNA2820D.AU	QNA2820D.AU IAQ Multi Sen LoRa.AU Cert
	QNA2600D	QNA2600D IAQ Multi Sen Cert
Product line,Product range	Sensor	

Process control

BSCE
1, Fengzhi East Road, Xibeiwang, Haidian District
100094, BEIJING / China

Management System	since	by
ISO 9001 (Quality)	01-June-2001	LPCB
ISO 14001 (Environment)	07-May-2005	SGS
OHSAS 18001 (OH&S)	12-December-2011	SGS

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	15.418kWh/a
	Device power consumption:1.76W
Maintenance	Not necessary
	Not necessary

Risk of fire

Fire protection according to	EN 60950
Fire load	variant *) see below

Packaging

20-PAP Corrugated fibreboard	Folded box	variant
21-PAP Non-corrugated fibreboard	Folded box	variant
1-PET Polyethylene terephthalate	Bag	variant
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; Low-halogen	Cover Front/Light Gray(AWAIR Omni)	16g
	PC; Low-halogen	Guide Light/Black(AWAIR Omni)	21g
	PC; Low-halogen	Guide Battery/Black(AWAIR Omni)	14g

Building Parts

	PC; Low-halogen	Cover Bottom/Gray(AWAIR Omni)	22g
	PC; Low-halogen	Frame Body/White(AWAIR Omni)	variant
	PC; Low-halogen	Cover Lower/White(In-Wall Mount)	variant
	PC; Low-halogen	Cover Upper/White (In-Wall Mount)	variant
	PC; Low-halogen	Cover Gang Plate-Small/White (In-Wall Mount)	variant
	PC; Low-halogen	Gang Plate Bracket (In-Wall Mount	variant
	PC; Low-halogen	Cover Front/White(Surface Mount)	variant
	PC; Low-halogen	Cover Wall Mount/White(Surface Mount)	variant
Others	Portable battery, secondary (rechargeable)	1st battery / accumulator	41g
PCBAs (Printed Circuit Board assembled)	FR4; halogen-free; solder SnAgCu	PCB 4 Layer 1.6T AWAIR Omni Main	25g
	FR4; halogen-free; solder SnAgCu	PCB 6 Layer 1.0T AWAIR Omni LED (Build-up)	6g
	FR4; halogen-free; solder SnAgCu	PCB 2 Layer 1.0T AWAIR Omni RGB	2g
	FR4; halogen-free; solder SnAgCu	PCB 2 Layer 0.5T AWAIR Omni Temp	1g
	FR4; halogen-free; solder SnAgCu	PCB 2 Layer 0.7T AWAIR Omni ANT	1g
	FR4; halogen-free; solder SnAgCu	PCB 4 Layer 1.6T AWAIR Omni In-Wall Mount	variant
	FR4; halogen-free; solder SnAgCu	PCB 2 Layer 0.8T AWAIR Omni Backplate Plug	variant
	FR4; halogen-free; solder SnAgCu	PCB 4 Layer 1.6T AWAIR Omni Surface Mount	variant

***Variant parts list** [g]	QNA2700D.BA1	QNA2700D.BA2	QNA2820D.EU	QNA2820D.US	QNA2820D.AU	QNA2600D
Total weight of device	323	323	323	323	323	144
PC; Low-halogen	24	24	24	24	24	
PC; Low-halogen	7	7	7	7	7	
PC; Low-halogen	7	7	7	7	7	
PC; Low-halogen	30	30	30	30	30	
PC; Low-halogen	34	34	34	34	34	
PC; Low-halogen	18	18	18	18	18	
PC; Low-halogen	30	30	30	30	30	
FR4; halogen-free; solder SnAgCu	6	6	6	6	6	
FR4; halogen-free; solder SnAgCu	0	0	0	0	0	
FR4; halogen-free; solder SnAgCu	23	23	23	23	23	
Fire load [MJ]	8	8	8	8	8	3
Packaging						
20-PAP Corrugated fibreboard [g]	188	188	186	186	186	60
21-PAP Non-corrugated fibreboard	49	49	49	49	49	
1-PET Polyethylene terephthalate	1	1	1	1	1	

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.

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)

Building Parts

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. Contained REACH candidate substances, which will become known at a later date, are listed on the delivery note.

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

The device is low-halogen.

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.

BSCE 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.

A5W00274475A 07.09.2022