



Environmental Product Declaration

Product

Type of equipment / Product No.	QAE2154.010/MO	Tmp.sen.imm. Modbus 0.1m
	QAM2151.040/MO	Temp.sen.duct Modb 0.4m
	QFM2150/MO	Hum/Temp.sensor duct Modbus
	QFM3150/MO	r.h/T sensor duct Modbus/HQ
	QPM2102/MO	CO2/VOC sensor duct Modbus
	QPM2150/MO	CO2/T sensor duct Modbus
	QPM2152/MO	CO2/H/T sensor duct Modbus

Product line, product range Sensor

Process control

Beijing Siemens Cerberus Electronics Ltd.
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Management System	since	by
ISO 9001	06.01.2001	LPCB
ISO 14001	05.07.2005	SGS
OHSAS 18001	12.12.2011	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	5 ... 9kWh/a
Fire load	##

Packaging

20-PAP Corrugated fibreboard	Folded Box	variant
22-PAP Paper	incl. Label	
4-LDPE Low density polyethylene	Bag for accessories	variant
22-PAP Paper	Mounting instruction	4g
Notes on disposal	One-way, recyclable	

Materials

Total weight of device	variant *) see below
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The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Plastics

PC; halogen-free	Housing: base and cover	51g
PC; halogen-free	Immersion rod	variant
PC; halogen-free	socket and partition wall	variant
PA66; halogen-free	2 half shells (bracket)	variant
PA66; halogen-free	Mounting tube, flange	variant
PBT; halogen-free	Filter and filter cap	variant
Polyolefin; halogen-free	Shrinkable tubing (flexible probe)	variant

	Q Silicone rubber; halogen-free	Joint sealing	variant
	PA6; halogen-free	cable entry gland	14g
	Q Silicone rubber; halogen-free	button	2g
	Q Silicone rubber; halogen-free	Sealing gasket (housing)	variant
	Epoxy resin; halogen-free	Sealing compound	variant
Metals	Copper	Flexible sensor probe	variant
	Steel stainless	Sensor pocket and nipple	variant
	Steel	Clamp	variant
	Steel; zinc plated	Screws	variant
Others	PBT / CuSn zinc-plated	connector measuring tip	variant
	PBT / CuSn zinc-plated	Circular connector	variant
	PA66 Cu steel	Terminal strip with clip, screws	variant
PCBAs (Printed Circuit Board assembled)	FR4; solder SnAgCu	PCB base	24g
	FR4; solder SnAgCu	PCB gas module	variant
	FR4; solder SnAgCu	PCB cover module	variant
	FR4; solder SnAgCu	PCB measuring tip	variant
	FR4; solder SnAgCu	PCB VOC module	variant

***Variant parts list**

	QAE2154.010/MO	QAM2151.040/M	QFM2150/MO	QFM3150/MO	QPM2102/MO	QPM2150/MO	QPM2152/MO					
[g]												
Total weight of device	128	158	133	145	190	194	194					
Immersion rod			14	18								
socket and partition wall					42	42	42					
2 half shells (bracket)		6										
Mounting tube, flange		32										
Filter and filter cap			4	4	4	4	4					
Shrinkable tubing (flexible probe)		3										
Joint sealing	3											
Sealing gasket (housing)				1								
Sealing compound				1								
Flexible sensor probe		18										
Sensor pocket and nipple	20											
Clamp	6											
Screws				4	4	4	4					
connector measuring tip			4	6		4	4					
Circular connector	8	8	9	9	9	9	9					
Terminal strip with clip, screws			8	8	8	8	8					
PCB gas module					15	15	15					
PCB cover module					14	14	14					
PCB measuring tip			2	2		2	2					
PCB VOC module					3							
Fire load	[MJ] 3	4	4	#N/A	5	5	5					
Packaging												
Folded Box	[g] 50	50	69	69	69	69	69					
Bag for accessories	3	3	4	4	4	4	4					

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)

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 halogen-free with exception of:
PCB (TBBA)

Further notes and comments:

All sensors are delivered with the following accessories kits:
Adaptor (5g, PA66 GF30) & hexagon nut (1g, PA6) in bag (PE)

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.

Beijing Siemens Cerberus Electronics 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.

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