



Environmental Product Declaration

Product	Type of equipment / Product No.	A6E60200715	GMC2100-00-00
		A6E60200734	PMC2100-01-00
		A6E60200711	PMC2200-00-00
		A6E60200796	PMC2300-00-00
		A6E60200733	CSDM1001-00
		A6E60200795	CSDM2000-00
Product	Type of equipment / Product No.	Aviation Smoke Detector and Cargo Smoke Detector Module : A6E60200715, A6E60200734, A6E60200711, A6E60200796, A6E60200733 and A6E60200795	
	Designation	GMC2100-00-00, PMC2100-01-00, PMC2200-00-00, PMC2300-00-00, CSDM1001-00 and CSDM2000-00	
	Product line	A350	
Process control	SIEMENS SAS		
	617 Rue Fourny 78530 Buc / France		
	Management System	since	by
	ISO 9001 (Quality)	11.09.1997	BVQI
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 No. 1 (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".		
Product use	Typical energy consumption	variant *) see below Maximum value in nominal mode	
	Maintenance	Optical chamber contamination	
Risk of fire	Fire protection according to Fire load	ABD0031 (Aeronautic)	
Packaging	Single flute cardboard	Main Package	variant
	HDPE, Bentonite	Desiccant Bag	variant
	4-LDPE	Plastic Bag and Document holder	variant
	22-PAP paper	Labels	variant

	Notes on disposal	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	ULTEM 2200; halogen-free	Cover GMC21	variant
	ULTEM 2200; halogen-free	Cover PMC21	variant
	ULTEM 2200; halogen-free	Cover PMC22	variant
	ULTEM 2200; halogen-free	Cover PMC23	variant
	ULTEM 2200; halogen-free	Insert Molded Metallic Grid	variant
	Q Silicone rubber; halogen-free	RFID	variant
	PB701; halogen-free	Gasket	variant
	PC Bayer Makrolon 6265; halogen-free	Labyrinth support	variant
	ULTEM 2200; halogen-free	Base support	variant
	Bayer Makrolon 6265; halogen-free	Connector support	variant
	ABS; halogen-free	Labyrinth	variant
	PC; halogen-free	Gasket	variant
	Metals	Steel stainless	Accessories
Nickel		Connector accessories	variant
Gold over nickel plated		Contacts planting	variant
Composite / Thermoplastic		Male connector	variant
Stainless steel / Beryllium copper		Female connector	variant
Aluminium AG3 H111; Surtec 560		Optical Chamber Ground Lug	variant
Aluminium AG3 H111; Surtec 560		Humidity sensor Ground Lug	variant
Steel stainless		Washer	variant
Composite / Copper Alloy		Connector	variant
Al; Surtec 560		PMC21 CH 061 GRID	variant
Others		Nickel Plated Copper	Cable / Wire
	Nomex	Cable protection	variant
	Ultem 2200 / Alu	Insert Molded Metallic Grid	variant
	Acétate d'ethyle / Propane-2-OL	BLOC LUBE RED	variant
		2 x PMC2100-01-00 NOT PACKED	variant
		2 x PMC2300-00-00 NOT PACKED	variant
	Silicone	Silicone Peters	variant
	Airpreg PC8137/ABS/DAN/FR2-55/FR1-55/Foam HT	Cover Plate	variant
	Airpreg PC8137/ABS/DAN/FR2-55/FR1-55	Cavity	variant
	LEXAN F6006-705676/FR2-55/ABS/DAN/Sgblack (E)	Cover Plate	variant
HUP 27/25 RN 9010/ABS/DAN/FR2-55	Cavity	variant	
PCBAs (Printed Circuit Board assembled)	FR4; solder SnAgCu	PCB assembl. Fire Smoke Detector PMC21	variant

Special components
(part of the assembled PCB)

Humidity sensor

PTFE

variant

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

***Variant parts list**

	A6E60200715	A6E60200734	A6E60200711	A6E60200796	A6E60200733	A6E60200795							
Total weight of device	312	292	284	286	1 713	2 173							
Cover GMC21	73												
Cover PMC21		54											
Cover PMC22			55										
Cover PMC23				48									
Insert Molded Metallic Grid	9	9	9	9									
RFID	2	2	2	2									
Gasket	1												
Labyrinth support	24	24	24	24									
Base support	83	83	83	83									
Connector support	7	7	7	7									
Labyrinth	21	21	21	21									
Gasket	1												
Accessories	17	17	10	17									
Connector accessories					40	40							
Contacts planting					5	5							
Male connector					95	95							
Female connector					22	22							
Optical Chamber Groung Lug	1	1	1	1									
Humidity sensor Groung Lug		0		0									
Washer					6	6							
Connector	11	11	11	11									
PMC21 CH 061 GRID		0		0									

Cable / Wire					16	25								
Cable protection					6	10								
Insert Molded Metallic Grid	9	9	9	9										
BLOC LUBE RED	2	2	2	2										
2 x PMC2100-01-00 NOT PACKED					586									
2 x PMC2300-00-00 NOT PACKED						568								
Silicone Pasters	2	2	2	2										
Cover Plate					178									
Cavity					758									
Cover Plate						367								
Cavity						1 034								
PCB assembl. Fire Smoke Detect	49	49	49	49										
Fire load	[MJ]	#N/A	#N/A	#N/A	#N/A									
Typical energy consumption	[kWh/a]	9	9	9	9	18	18							
Special components (part of the														
Humidity sensor	[pcs]		5		5									
Packaging														
Main Package	[g]	87	87	87	87	720	720							
Desiccant Bag		46	46	46	46									
Plastic Bag and Document holder		10	10	10	10	4	4							
Labels		3	3	3	3	6	6							

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. The relevant national legal rules are to be adhered to. 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.

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.

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

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

Environmental benefits

Serves for the early detection of fires.
Low energy consumption.

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 SAS 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.

06.02.2017