



Environmental Product Declaration

Product	Type of equipment / Product No.	S54339-F100-A1	FDOOT801-A1	Multisensor fire detector
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	Designation		FDOOT801-A1	Multisensor fire detector
	Product line		RAILWAY SYSTEM	
Process control	SIEMENS SAS Building Technologies Division 617 RUE FOURNY 78530 BUC/France			
	Management System	ISO 9001 (Quality)	since 11.09.1997	by 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		10kWh/a 1 * MFD	
	Maintenance		Cleaning of optical chamber On notice (every 25 000h)	
Risk of fire	Fire protection according to		EN 45545-2	
	Fire load		8MJ	
Packaging	Cardboard		Package 176,5x112x71,5	88g
	4-LDPE		Bag of protection ESD	20g
	2-HDPE, Bentonite		Desiccant bag	47g
	22-PAP paper		Label	1g
	polyester		Label bar code	1g

	Notes on disposal	recyclable	
Materials	Total weight of device		357g
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
Plastics	PC	Base support	108g
	PC	Cover	52g
	PC	Flange	6g
	PC	Support Labyrinth	25g
	PC	Manufactured Labyrinth	21g
	PC	Connectors Suppor	15g
	PC	Empfangerlinse	1g
Metals	Steel stainless	Screws	8g
	Sn / Sn alloy	Connector	26g
	Thermoplastic+bronze of phosphor+gold overnickel+s	Connector Sub 9P mal	7g
	Thermoplastic+bronze of phosphor+gold overnickel+s	Connector Sub 9P femal	8g
	Gold over nickel	Pins	20g
	CuZn	Optical receiving hood CEM IR	1g
Others	Metalise polyester	Label 1	1g
	Metalise polyester	Label 2	1g
	84% PA6,6 Monofilament 16%Lycra	Clothe	1g
	Polymid	Heat sensor	1g
	GaAlAs/GaAs	Diode IR	1g
	Silicon	Photodiode	1g
PCBAs (Printed Circuit Board assembled)	FR4; TBBA; solder SnAgCu	CE CP6460 equiped board	63g

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)

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.

31.03.2014