SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product	Type of equipment / Product No.	5WG1536-1DB31	Switch-/Dimming Actuator
		5WG1536-1DB51	Switch-/Dimming Actuator
	Product line, product range	GAMMA instabus	

Process control	Siemens Schweiz AG		
	Smart infrastructure		
	Theilerstrasse 1a		
	CH - 6300 Zug		
	Management System	since	by
	ISO 9001 (Quality)	15.04.2013	SQS
	ISO 14001 (Environment)	15.04.2013	SQS
	OHSAS 18001 (OH&S)	15.04.2013	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	see Technical product information
	Maintenance	Not necessary
Risk of fire	Fire protection according to	EN 50428
	Fire load	variant *) see below

Packaging	20-PAP Corrugated fibreboard	Box 6 MW neutral	variant
	20-PAP Corrugated fibreboard	Box 8 MW neutral	variant
	22-PAP Paper	Mounting instructions	16g
	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	PMMA; low-halogen	optical fiber	1g
	PA; low-halogen	slider	variant
	PA6; GF 25%; low-halogen	lower housing 8 MW	variant
	PA6; GF 25%; low-halogen	upper housing 8 MW sec.	variant
	PA6; GF 25%; low-halogen	operating panel 8 MW electronic	variant
	PA6; GF 25%; low-halogen	level holder	variant
	PA6; GF 25%; low-halogen	lower housing 6 MW	variant
	PA6; GF 25%; low-halogen	upper housing 6 MW sec.	variant
	PA6; GF 25%; low-halogen	operating panel 6 MW electronic	variant
Metals	Steel	Compression spring	1g
Others	PA66-Cu-ETP	BUS terminal 2-pole	2g
		Plastic foil keyboard	variant
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	PCBA 8-fold Bottom	variant
	FR4; halogenated; solder SnAgCu	PCBA 8-fold Top	variant
	FR4; halogenated; solder none	PCB Thermal Distance	variant
	FR4; halogenated; solder SnAgCu	PCBA 4-fold Bottom	variant

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Special components (part of the assembled PCB) PCB > 10 cm² variant

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

*Variant parts list [g]	5WG1536-1DB31	5WG1536-1DB51										
Total weight of device	279	484										
slider	1	2										
lower housing 8 MW		61										
upper housing 8 MW sec.		64										
operating panel 8 MW electronic		16										
level holder		2										
lower housing 6 MW	44											
upper housing 6 MW sec.	51											
operating panel 6 MW electronic	10											
Plastic foil keyboard	4	6										
PCBA 8-fold Bottom		294										
PCBA 8-fold Top		34										
PCB Thermal Distance		2										
PCBA 4-fold Bottom	166											
Fire load [MJ]	6	9										
Special components (part of the PCB > 10 cm² [pcs]	1	3										
Packaging												
Box 6 MW neutral [g]	85											
Box 8 MW neutral		100										

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)

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.
Lead and its Compounds, CAS-Nr.7439-92-1; Lead oxyde (Lead monoxyde), CAS-Nr.1317-36-8

(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.

03.03.2022