SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021

Environmental Product Declaration

Product

Type of equipment / Product No.	5WG1530-1DB31	Switching actuator 4x AC 230V 6AX
	5WG1530-1DB51	Switching actuator 8x AC 230V 6AX
	5WG1530-1DB61	Switching actuator 12x AC 230V 6AX
	5WG1532-1DB31	Switching actuator 4x AC 230V 10AX
	5WG1532-1DB51	Switching actuator 8x AC 230V 10AX
	5WG1532-1DB61	Switching actuator 12x AC 230V 10AX
	5WG1534-1DB31	Switching actuator 4x AC 230V 16/20AX
	5WG1534-1DB51	Switching actuator 8x AC 230V 16/20AX
	5WG1534-1DB61	Switching actuator 12x AC 230V 16/20AX
Product line, product range	GAMMA instabus	

Process control

Siemens Schweiz AG
Smart Infrastructure
Theilerstr. 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	Carton 4TE neutral	variant
20-PAP Corrugated fibreboard	Carton 8TE neutral	variant
20-PAP Corrugated fibreboard	Carton 12TE 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	light conductor	1g
	PA; low-halogen	Slider	variant
	PA6; GF 25%; low-halogen	Lower housing 4TE	variant
	PA6; GF 25%; low-halogen	Upper housing 4TE	variant
	PA6; GF 25%; low-halogen	operating panel 4TE	variant
	PA6; GF 25%; low-halogen	Lower housing 8TE	variant
	PA6; GF 25%; low-halogen	Upper housing 8TE	variant
	PA6; GF 25%; low-halogen	operating panel 8TE	variant

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	PA6; GF 25%; low-halogen	Lower housing 12TE	variant
	PA6; GF 25%; low-halogen	Upper housing 12TE	variant
	PA6; GF 25%; low-halogen	operating panel 12TE	variant
	PET; Printed and with adhesive	Printed plastic label 4TE	variant
	PET; Printed and with adhesive	Printed plastic label 8TE	variant
	PET; Printed and with adhesive	Printed plastic label 12TE	variant
Metals	Steel	Pressure spring	1g
Others	PA66-Cu-ETP	BUS terminal 2-pole	2g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	PCBA 4-fold 6AX or 10AX	variant
	FR4; halogenated; solder SnAgCu	PCBA 8-fold 6AX or 10AX	variant
	FR4; halogenated; solder SnAgCu	PCBA 12-fold 6AX or 10AX	variant
	FR4; halogenated; solder SnAgCu	PCBA 4-fold 16/20AX	variant
	FR4; halogenated; solder SnAgCu	PCBA 8-fold 16/20AX	variant
	FR4; halogenated; solder SnAgCu	PCBA 12-fold 16/20AX	variant

***Variant parts list**

	[g]	5WG1530-1DB31	5WG1530-1DB51	5WG1530-1DB61	5WG1532-1DB31	5WG1532-1DB51	5WG1532-1DB61	5WG1534-1DB31	5WG1534-1DB51	5WG1534-1DB61			
Total weight of device		235	427	633	235	427	633	282	527	773			
Slider		1	2	2	1	2	2	1	2	2			
Lower housing 4TE		34			34			34					
Upper housing 4TE		44			44			44					
operating panel 4TE		11			11			11					
Lower housing 8TE			61			61			61				
Upper housing 8TE			68			68			68				
operating panel 8TE			23			23			23				
Lower housing 12TE				87			87			87			
Upper housing 12TE				91			91			91			
operating panel 12TE				35			35			35			
Printed plastic label 4TE		1			1			1					
Printed plastic label 8TE			1			1			1				
Printed plastic label 12TE				2			2			2			
PCBA 4-fold 6AX or 10AX		141			141								
PCBA 8-fold 6AX or 10AX			270			270							
PCBA 12-fold 6AX or 10AX				413			413						
PCBA 4-fold 16/20AX								188					
PCBA 8-fold 16/20AX									370				
PCBA 12-fold 16/20AX										553			
Fire load	[MJ]	5	8	12	5	8	12	6	10	14			
Packaging													
Carton 4TE neutral	[g]	70			70			70					
Carton 8TE neutral			100			100			100				
Carton 12TE neutral				125			125			125			

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)

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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; Boric oxide (Diboron trioxyde), CAS-Nr.1303-86-2; Lead oxyde (Lead monoxyde), CAS-Nr.1317-36-8

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

The device is low-halogen with exception of:
PCBA

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.

01.07.2021