SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021



Environmental Product Declaration

Product

Type of equipment / Product No.	5WG1535-1DB31	Switching Actuator LC 4x AC230V 16/20AX
	5WG1535-1DB51	Switching Actuator LC 8x AC230V 16/20AX
	5WG1535-1DB61	Switching Actuator LC 12x AC230V 16/20AX
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 4 MW neutral	variant
20-PAP Corrugated fibreboard	Box 8 MW neutral	variant
20-PAP Corrugated fibreboard	Box 12 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	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
	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

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	PA6; GF 25%; low-halogen	Level holder	variant
	PA66	Cable tie	variant
Metals	Steel	Compression spring	1g
Others	PA66-Cu-ETP	BUS terminal 2-pole	2g
		Connecting wire	variant
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	PCBA 4-fold	variant
	FR4; halogenated; solder SnAgCu	PCBA 8-fold	variant
	FR4; halogenated; solder none	PCB 12fold	variant
Special components (part of the assembled PCB)	PCB > 10 cm²	1pcs	

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

*Variant parts list	[g]	5WG1535-1DB31	5WG1535-1DB51	5WG1535-1DB61									
Total weight of device		331	605	875									
Slider		1	2	2									
Lower housing 4TE		34											
Upper housing 4TE		44											
operating panel 4TE		11											
Lower housing 8TE			61										
Upper housing 8TE			68										
operating panel 8TE			23										
Lower housing 12TE				87									
Upper housing 12TE				91									
operating panel 12TE				35									
Printed plastic label 4TE		1											
Printed plastic label 8TE			2										
Printed plastic label 12TE				2									
Level holder		2											
Cable tie			1	1									
Connecting wire			2	3									
PCBA 4-fold		235											
PCBA 8-fold			444										
PCB 12fold				651									
Fire load	[MJ]	6	11	16									
Packaging													
Box 4 MW neutral	[g]	70											
Box 8 MW neutral			100										
Box 12 MW neutral				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)

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.

04.03.2022