ABB WIRING ACCESSORIES, FINLAND, 1 JANUARY, 2019

Building product declaration
Byggvarudeklaration

ABB Document ID:	**2TVD100352**
Document creation date:	**30.9.2019**
Product group description:	**Switch inserts**

Revision

Modified (Date)	User (Name)	Changes done
14.10.2019	Ella Helynranta	Fe-Zn, stainless steel, X10CrNi and both nickel plated brasses contents specified
11.11.2019	Ella Helynranta	X10CrNi and stainless steel contents specified

Supplier/Manufacturer information

Supplier:	ABB Wiring Accessories
VAT-number:	FI07634030
Contact person:	Marie-Sofie Seger
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Company website:	http://www.installationmaterials.com

The company possesses certification in compliance with: ☒ ISO 9001 ☒ ISO 14001

Appendix:

☒ **Appendix I:** Product list

For more information please contact:

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Supporting documents

☒ **Declaration of conformity** covering the RoHS-directive (2011/65/EU).
☐ **Environmental product declaration** in accordance with EN 15804.
☐ **Declaration of performance** in line with European Construction Products Regulation (EU) no 305/2011.

Product information

Products/articles included in this declaration are listed in Appendix I: Product list.

Type of product	☒ Article	☐ Chemical
Is the chemical composition different, for the products when applied (cured product) compared to the content at delivery?	☐ Yes	☒ No
Are the products in compliance with RoHS-Directive 2011/65/EU?	☒ Yes	☐ No
Are the products covered by an exemption according to RoHS-directive (2011/65/EU)?	☐ Yes	☒ No
Are the products in compliance with REACH Regulation (EC) No 1907/2006?	☒ Yes	☐ No

ABB Wiring Accessories has a process in place to ensure compliance with the legal requirements.

Declaration of contents

Byggvarybedömningen

The data and declaration of contents provided in this Building product declaration is in accordance with Byggvarubedömningen's guidelines and declaration/information requirements for assessment (to the Recommended level) of product, Version 2016-1.

SundaHus

The data and declaration of contents provided in this Building product declaration is in accordance with SundaHus Environmnetal data guidelines and declaration/information requirements for assessment of product, Bedömningskriterier 6.1.4.

Nordic Swan ecolabel

The data and declaration of contents provided in this Building product declaration is in accordance with Nordic Ecolabelling guidelines and declaration/information requirements for assessment of product, Version 3.7 • 09 March 2016 – 31 December 2022.

Table 1. Contents of included substances and material in declared products/articles, on delivery. (Declaration of content in accordance with requirements)

Included material	Constituent substances	EG No. /CAS No.	Weight-% (of the product)	Comments *(state any application of non-harmonized classifications)*
CuSn 0,15			≤ 8,21%	
	Copper	7440-50-8	≤ 6,978%	
	Tin	7440-31-5	≤ 1,232%	
Fe-Zn			≤ 61,85%	
	Iron	7439-89-6	≤ 59,98%	

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	Zinc	7440-66-6	≤ 1,87%	
AgZnO8PW25			≤ 0,36%	
Nickel plated brass		CuZn37	≤ 6,19%	
	Copper	7440-50-8	≤ 3,96%	
	Zinc	7440-66-6	≤ 2,182%	
	Nickel	7440-02-0	≤ 0,019%	
Nickel plated brass		CuZn40Pb2	≤ 2,38%	
	Copper	7440-50-8	≤ 1,4%	
	Zinc	7440-66-6	≤ 0,89%	
	Nickel	7440-02-0	≤ 0,007%	
Polycarbonate PC		24936-68-3	≤ 9,24%	Halogen free
	Bisphenol A	80-05-7		
	Phosgene	75-44-5		
Polyamide 6 GF30			≤ 6,74%	Halogen free
	Aminocapronacid	60-32-2	≤ 4,718%	
	Glass fiber	65997-17-3	≤ 2,022%	
Polyamide 66 GF30			≤ 0,84%	Halogen free
	Aminocapronacid	60-32-2	≤ 0,588%	
	Glass fiber	65997-17-3	≤ 0,252%	
Polyamide 6 GF20			≤ 17,84%	Halogen free
	Aminocapronacid	60-32-2	≤ 14,272%	
	Glass fiber	65997-17-3	≤ 3,568%	
Polycarbonate GF10			≤ 6,19%	Halogen free
	Bisphenol A	80-05-7		
	Phosgene	75-44-5		
	Glass fiber	65997-17-3	≤ 0,619%	
Fe		7439-89-6	≤ 8,45%	
Stainless steel		X9CrNi18-8, 1.4310	≤ 3,71%	
	Iron	7439-89-6	≤ 2,516%	
	Chrome	7440-47-3	≤ 0,705%	
	Nickel	7440-02-0	≤ 0,352%	
	Manganese	7439-96-5	≤ 0,074%	
	Silicon	7440-21-3	≤ 0,056%	
	Carbon	7440-44-0	≤ 0,004%	
	Phosporus	7723-14-0	≤ 0,002%	
	Sulfur	7704-34-9	≤ 0,001%	
X10CrNi			≤ 2,35%	
	Iron	7439-89-6	≤ 1,560%	
	Chrome	7440-47-3	≤ 0,447%	
	Nickel	7440-02-0	≤ 0,223%	

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	Silicon	7440-21-3	≤ 0,047%
	Manganese	7439-96-5	≤ 0,047%
	Molybdenum	7439-98-7	≤ 0,019%
	Carbon	7440-44-0	≤ 0,004%
	Nitrogen	7727-37-9	≤ 0,003%
	Phosporus	7723-14-0	≤ 0,001%

Table 2. Please declare if the product(s) contain the following substance group/substance

Arsenic and its compounds	☐ Yes	☒ No
Brominated flame retardants	☐ Yes	☒ No
PFOA (perfluoroctaneacids)	☐ Yes	☒ No
PFOS (perfluorooctane sulfonate)	☐ Yes	☒ No
Organotin compounds	☐ Yes	☒ No
Biocidal product applied on products (surface treatments) to provide a disinfectant or anti-bacterial effect.	☐ Yes	☒ No
Medium chain chlorinated paraffins (C14-C17)	☐ Yes	☒ No

Nanomaterials

Does the product contain any nanomaterial that has been purposefully added to achieve a specific function?	☐ Yes	☒ No
If yes, specify the material.		

Recycling

Does the product contain any recycled material?	☐ Yes	☒ No

If Yes, specify in the material in Table 3.

Table 3. List of recycled material included in the product.

Material	**Percentage (%)** *of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)*	**Percentage (%)** *of the recycled material that has reached the consumer level (post-consumer)*	**Comments**

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Production

Energy efficiency

Has an active effort been taken to minimize the energy consumption in production?	☒ Yes	☐ No
If yes, describe the type of efforts made:	*ABB WA conducts an ongoing optimization of production in order to minimize energy consumption.*	

Has an active choice been made, regarding the electricity supplier, in order to promote electricity production from renewable energy sources?	☒ Yes	☐ No
Describe the type of energy source, percentage of energy stemming from the renewable source, how long the agreement has been applied, electricity supplier, and for which part of the production it is valid for:	*ABB Wiring Accessories in buying electricity from a local energy supplier, Porvoon Energia, which energy sources are 100% renewable. The contract was made in 2009 and is ongoing. The energy source is a combination of hydropower (70%) and wind power and solar power (30%).*	

Distribution

The packages used for the products are made from cardboard. In some cases the products are sealed in plastic foil.

Does the supplier apply any system for returning load carriers for the product?	☒ Yes	☐ No
Does the supplier apply any systems involving multi-use packaging for the product?	☐ Yes	☒ No
Does the supplier take back packaging for the product?	☐ Yes	☒ No
Is the supplier affiliated to REPA?	☒ Yes	☐ No
Are the products packages in compliance with Directive 94/62/EC?	☒ Yes	☐ No

Are the packages recyclable?	☒ Yes	☐ No
Enter the proportion of recycled material, included in the packaging.		

Construction

Are there any special requirements for the product during storage?	☐ Yes	☒ No
Are there any special requirements for adjacent building products because of this product?	☐ Yes	☒ No

Use

Are there any operating/care instructions for the product?	☐ Yes	☒ No

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Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?	☐ Yes ☒ Not relevant	☐ No

Reference service life estimated as being approx.	≥ 25 Years

Disassembly

Does the product require any special measures to protect health and environment during demolition/disassembly?	☐ Yes	☒ No
If "yes", please specify		

Waste management

Is the product covered by the WEEE-directive 2012/19/EU?	☒ Yes	☐ No
Is energy recycling possible for all or parts of the product when it becomes waste?	☒ Yes	☐ No
When the supplied product becomes waste, is it classified as hazardous waste?	☐ Yes	☒ No

Is it possible to re-use all or parts of the product? (can the product be reused within the product's expected lifetime)?	☒ Yes	☐ No
If "yes", please specify	*The products are designed taking in consideration the whole lifecycle.*	
Is material recycling possible for all or parts of the product when it becomes waste?	☒ Yes	☐ No
If "yes", please specify	*All of the materials present in the product are recyclable.*	

Indore environment

Has the product a critical moisture condition?	☐ Yes	☒ No

Is the article (or chemical product) intended for indoor use?	☒ Yes	☐ No
If yes, has emission data been produced for volatile organic compounds?	*The products do not produce emissions.*	

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All statements are made after our best knowledge and based on information from our suppliers. These details places particularly no assurance (e.g.in the guarantee legal meaning).

MARCO URIAINEN, LPA MANAGER 11.11.19

Name, signature, title & date

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Appendix I

Product list

All products covered by the Building product declaration are presented in Table 1.

Table 1. Products covered by the Building product declaration.

Material number	Material description	E-number	Technical description
2TKA00002296	106/3/1/2X.U		Switch insert 1+1+1
2TKA00002751	1066.21CVDE		Switch insert, 16AX/250V, 2 X-terminals, claws, switch 6
2TKA00002752	1065.20CVDE		Switch insert, 16AX/250V, 2 X-terminals, claws, switch 5
2TKA00002753	1067.21CVDE		Switch insert, 16AX/250V, 2 X-terminals, claws, switch 7
2TKA00002754	10666.00CVDE		Switch insert, 16AX/250V, no X-terminals, claws, switch 6+6
2TKA00002755	1066.2KCVDE		Switch insert, 16AX/250V, 2 X-terminals, claws, switch 6
2TKA000130G1	1062.21	1815306	Switch insert, 16AX/250V, 2-pole, 2 X-terminals
2TKA000147G1	10631.00	1815336	Switch insert, 16AX/250V, switch 1+1+1, no X-terminals
2TKA000152G1	10631UBS		Switch 1+1+1, insert without plastic cover parts (IP20)
2TKA000153G1	10631UBSC		Switch 1+1+1, insert without plastic cover parts (IP20), with claws
2TKA000158G1	1065.20	1815317	Switch insert, 16AX/250V, switch 5, 2 X-terminals
2TKA000175G1	1066.21	1815322	Switch insert, 16AX/250V, switch 6, 2 X-terminals
2TKA000177G1	10662.00		Switch insert, 16AX/250V, 2 change over switch, no X-terminals
2TKA000179G1	10666.00	1815327	Switch insert, 16AX/250V, switch 6+6 , no X-terminals
2TKA000201G1	1067.21	1815332	Switch insert, 16AX/250V, switch 7, 2 X-terminals
2TKA000227G1	1461.21	1815344	Push switch insert 10A/250V, switch 1, 2 X-terminals
2TKA000229G1	1465.20	1815349	Push switch insert, 16A/250V, 2 X-terminals

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