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REACH SVHC 223 DECLARATION

As part of ABB's values, and in alignment with the Supplier Code of Conduct, we seek to work with companies who contribute to a sustainable development and are ethically, socially, environmentally, and economically responsible.

ABB is responsible for ensuring that our products comply with legal requirements, such as RoHS and REACH. There are also other sets of environmental requirements not necessarily originating from legislation, but which are of great importance as ABB customers are demanding compliance with them. These include ship recycling and green building requirements.

The purpose is to avoid chemicals, materials, and substances that

- may represent hazards to the environment, or
- the health of workers, customers, consumers, and other stakeholders, or
- could negatively influence end-of-life properties.

ABB Distribution Solutions has contacted suppliers to collect component and material information. This information includes, but is not limited to:

- Full Material Disclosure
- RoHS compliance certificate
- REACH SVHC compliance certificate
- Component lifecycle status

Object of the declaration

This declaration refers to the following products and product series manufactured by ABB Distribution Solutions, Finland:

- **611 Series**
- **615 Series IEC/ANSI**
- **620 Series IEC/ANSI**
- **630 Series**
- **REX640**
- **REX610**
- **REF615R ANSI**
- **RER615**
- **REC615**
- **RIO600**
- **SMU 615**

REACH SVHC 223 Declaration

ABB Distribution Solutions products that are object of this declaration do not contain any of the Substances of Very High Concern (SVHC) exceeding 0.1% w/w, except for the parts listed in Table 1 that can contain Substances of Very

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High Concern (SVHC) above the threshold of 0.1% weight by weight (w/w). This threshold applies to each article of an object made up of more than one article, which were joined or assembled (complex objects). "Once an article, always an article."

Under normal and foreseeable conditions, the products do not release harmful substances nor pose a risk to the customers.

Regulatory information

The REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) entered into force 1 June 2007. It covers the manufacture, import (into the EU), and use of chemical substances (e.g., raw materials, powders) in preparations (e.g., oil, resin, paint), special preparations (metal alloys), and in articles (finished products).

REACH Article 33 requires any supplier of an article containing Substances of Very High Concern (SVHC) above the threshold of 0.1% weight by weight (w/w) to provide the customer with sufficient information to allow safe use of the article. As a minimum, the name of that substance is communicated.

Article 33 does not impose any restrictions on the use of the products, nor is it a prohibition to use a substance.

Yours sincerely,



[Antti Hakala-Ranta \(Aug 29, 2022 18:40 GMT+3\)](#)

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Part containing SVHC	Name of the substance	CAS Number
Resin	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2451-62-9
Solder	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5
Choke	2-methylimidazole	693-98-1
Capacitor	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1
Memory. Resin	Bis-phenol A (BPA), 4,4'-isopropylidenediphenol	80-05-7
Memory, Die Attach	Hexahydromethylphthalic Anhydride	25550-51-0
Cable, Connector, Inductor, Fixed Resistor, NTC, Diode, Rectifier, Transistor, FET, Regulator, Crystal, Fuse, Capacitor, Zener, Solder	Lead	7439-92-1
Crystal	Lead titanium trioxide	12060-00-3
Fibre Optics	Octamethylcyclotetrasiloxane	556-67-2

Table 1 Communication of information on substances in articles (REACH Article 33)

The following RoHS exemptions apply to the parts used at ABB ELDS (Category 9):

6a: Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight. Expires on 21 July 2024.

6b: Lead as an alloying element in aluminum containing up to 0.4 % lead by weight. Expires on 21 July 2024.

6c: Copper alloy containing up to 0.4 % lead by weight. Expires on 21 July 2024.

7a: Lead in high melting temperature type solders (i.e., lead-based alloys containing 85% by weight or more lead). Expires on 21 July 2024.

7c1: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g., piezoelectric devices, or in a glass or ceramic matrix compound. Expires on 21 July 2024.

7c2: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher. Expires on 21 July 2024.

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15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages. Expires on 21 July 2024.

34: Lead in cermet-based trimmer potentiometer elements. Expires on 21 July 2024.

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