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RoHS 3 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 Electrification Service 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
- TSCA Disclosure

Object of the declaration

This declaration refers to **REF 54_, REM 54_ and RET 54_** product series manufactured by ABB Electrification Service, Finland.

RoHS 3 declaration

ABB Electrification Service products that are object of this declaration are in conformity with the following regulations:

- DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)
- COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances

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Regulatory information

The RoHS 3 Directive now contains ten restricted substances (Directive 2011/65/EU amended by Delegation Directive 2015/863/EU).

The European Union directive on the restriction of the use of certain hazardous substances in the electrical and electronic equipment, also known as RoHS, originally contained six substances:

Lead (0.1 %)
Cadmium (0.01 %)
Mercury (0.1 %)
Hexavalent Chromium (0.1 %)
Polybrominated biphenyls (PBB) (0.1 %)
Polybrominated diphenyl Ethers (PBDE) (0.1 %).

The recast Directive 2011/65/EU added new product categories, including Category 11, Other EEE not covered by any of the categories above. Now all EEE are in scope unless specifically exempt. The six restricted substances remained the same.

The Commission Delegated Directive 2015/863/EU amends Annex II to Directive 2011/65/EU, adding four new restricted substances:

Bis(2-ethylhexyl) phthalate (DEHP) (0.1 %)
Benxyl butyl phthalate (BBP) (0.1 %)
Dibutyl phthalate (DBP) (0.1 %)
Diisobutyl phthalate (DIBP) (0.1 %).

The new restrictions shall apply for most products from 22 July 2019. For Industrial Monitoring and Control Instruments (Category 9) the new restrictions shall apply from 22 July 2021.

Yours sincerely,



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The following RoHS exemptions apply to the parts used at ABB ELSE (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.*

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.*

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