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Environmental Information
EA140012ML

Date: 2014.09.02

Scope of the declaration

The scope of this document is to give information about environmental aspects and the compliance to the environmental regulations for ABB Residual Current Circuit Breakers

Series: F200 (up to 100A)

Company:

ABB SpA - Low Voltage Products Division – LPG Din Rail Products
Viale dell'Industria 18, 20010 Vittuone Milano – Italy

ABB SpA - Low Voltage Products Division – LPG Din Rail Products develops, manufactures and sells products for the electrical installation and automation of buildings, machines and plants.

ABB SpA - Low Voltage Products Division – LPG Din Rail Products is certified according ISO 9001, ISO 14001, OHSAS 18001 and IRIS.

Product compliance:

The RCCBs comply with the actual requirements of the EU directive 2011/65/EC ("RoHS").

http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/597d6a888eac6cf1c1257cf500498662/$file/ROHS%202CSC423001K2702.pdf

Materials, wherever requested by the REGULATION (EC) No. 1907/2006 ("REACH") have been registered at ECHA by the producers. They do not contain substances as specified in the related candidate list of SVHC as published in: http://echa.europa.eu/it/candidate-list-table

ABB does not use or process directly any of the conflict minerals as defined in Dodd-Frank Section 1502 (Sn, Au, Ta, W). Nevertheless, according to our current best knowledge, our products don't contain any materials coming from Covered Countries (DRC Area).

The RCCBs do not contain PCB, asbestos, cadmium, halogens, silicone and radioactive element

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ABB SACE Division
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Codice Fiscale/*Fiscal code*: 00736410150
Registro delle imprese di Milano/
Official Company Book: 00736410150
R.E.A. Milano: 1513225

Unità Produttive
Factories
Bergamo
Dalmine (BG)
Frosinone
Garbagnate Monastero (LC)
Marostica (VI)
San Martino in Strada (LO)
Santa Palomba (Roma)
Vittuone (MI)

RAMS (Reliability, Availability, Maintainability & Safety)

The design and material is proven in various industrial applications and environment for more than 10 years without relevant or systematic failures.

The RCCBs are maintenance free considering the RCCB has to be verified periodically by pressing the dedicated test button as indicated in the documentation supplied with the product.

All devices are approved by third party organizations on the base of the relevant product standards, e.g. IEC/EN 61008-1, UL1053, CSA 22.2 No 144.

Product description

Residual Current Circuit Breakers (RCCB)
contain the following materials (with small variations per type)

List of Materials

Material	***Percentage***
Steel	27.9%
Copper	7.1 %
Silver	0.2 %
Aluminium	0.2 %
Brass	20.7%
Other metals(Sn, C, W)	5.9 %
Polymers	38.0%

Recycling Information

At the end of operating life, constituent components of F200 have been optimized in order to reduce waste amount and increase recovery of the material. Metals and polymers contained into F200 products are characterized by high recycling rates. The recyclability potential of the product has been evaluated using IEC / TR 62635.

Recycling Information

Treatment			
Recovery			**Disposal**
Reuse of Parts	Recycling or Material Recovery	Energy recovery or replacement other material	
Recoverable mass		95%	5%

ABB SpA - Low Voltage Products Division

Product Management

Miki Gardoni

Quality Management

Tommaso Abbattista