Environmental Information
EA140024ML

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 Devices RCD Blocks

Series: RCD blocks DDA204

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

http://www05.abb.com/global/scot/scot209.nsf/veritydisplay/46d334b1a3d047a0c1257cfc0040b58b/$file/ROHS%202CSC427001K2701.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 material coming from Covered Countries (DRC Area).

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

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 RCD blocks are maintenance free considering the RCD blocks 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 61009-1.

Product description

Residual Current Devices RCD Blocks (RCD Blocks)
contain the following materials (with small variations per type)

List of Materials

Material	*Percentage*
Steel	11.0 %
Copper	24.0 %
Brass	0.1 %
Other metals(Sn, Fe)	5.5 %
Polymers	59.4 %

Recycling Information

At the end of operating life, constituent components of DDA204 have been optimized in order to reduce waste amount and increase recovery of the material. Metals and polymers contained into DDA204 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		92%	8%

ABB SpA - Low Voltage Products Division

Product Management

Miki Gardoni

Quality Management

Tommaso Abbattista