

Date: 2022.05.25

Environmental Information

PLP2122URCBO06

Scope of the declaration:

The scope of this document is to provide an information about environmental aspects and the compliance to the environmental regulations for ABB Residual Current Breakers with Over-load Protection.

Series: RCBOs DS202CR

Company:

ABB Industrial Solutions (Kłodzko) Sp. z o.o.,
Piłsudskiego 5, 57-300, Kłodzko

ABB Industrial Solutions (Kłodzko) Sp. z o.o. - ELSB – LPG Energy Distribution, manufactures and sells products for the electrical installation and automation of buildings, machines and plants.

ABB Industrial Solutions (Kłodzko) Sp. z o.o. – ELSB - LPG Energy Distribution is certified according ISO 9001.

Product compliance:

The RCBOs comply with the actual requirements of the EU directive 2011/65/EU, so called RoHS 2 directive, with its amendments, including 2015/863/EU

Core and armature inside the device contain up to 0.35% lead (exemption 6a according EU directive 2011/65/EU).

Materials, wherever requested by the REGULATION (EC) No. 1907/2006 ("REACH") have been registered at ECHA by the producers.

Further information on requirements for substances in articles and other associated guidance documents can be found at: <http://echa.europa.eu/guidance-documents/guidance-on-reach> Information on the substances currently included on the Candidate List can be accessed at: <http://echa.europa.eu/candidate-list-table>

To the best of our knowledge and based on information from our suppliers to date, ABB has been informed that the following SVHC is contained in the following articles supplied in a concentration above 0.1% (w/w) at the article component level:
See details in appendix 1 in the end of this document

We in ABB are committed to ensuring the health, safety and protection of people who come into contact with our products and business, and we require high social, environmental and human rights standards among our suppliers. Managing our obligations in



relation to Conflict Minerals is a part of this corporate responsibility. ABB is proactively supporting development and governance in that region, and is contributing financially to international humanitarian aid efforts.

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 RCBOs are maintenance free considering the RCBOs have 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 61009-1:2012/A 12:2016.

Product description

Residual Current Breakers with Overload Protection (RCBOs)

Contain the following materials (with small variations per type)

List of Materials

Material	Percentage
Steel	36,73%
Copper	13,65%
Brass	1,45%
Other metals	6,36%
Bimetal	0,29%
Polymers	37,82%
Paper	0,03%
Relay	3,09%
PCB	0,28%
Resistor	0,31%

Recycling Information

At the end of operating life, constituent components of DS202CR have been optimized in order to reduce waste amount and increase recovery of the material. The recyclability potential of the product has been evaluated using IEC/TR 62635

Treatment			
Recovery			Disposal
Reuse of Parts	Recycling or Material Recovery	Energy recovery or replacement other material	
Recoverable mass	>= 90%		< 10%



Jarosław Burzynski

Senior Quality Manager - ABB Industrial
Solutions (Kłodzko) Sp. z o.o.

A handwritten signature in black ink, reading 'J. Burzynski'. Below the signature, there is a faint, diagonal stamp that reads 'ABB Industrial Solutions (Kłodzko) Sp. z o.o.'.

Juan Arcas

R&D Center Manager, ELSP GPG Energy
Distribution, Electrification

A handwritten signature in blue ink, reading 'Juan Arcas'. Above the signature, there is a blue rectangular stamp that reads 'ABB Electrification Solutions, S.L.U.'.



Appendix 1: To the best of our knowledge and based on information from our suppliers to date, ABB has been informed that the following CLS is contained in the article supplied above a concentration of 0.1% weight-by-weight.

Article name	Article number	SVHC name	CAS number	Substances Threshold	Substances Concentration
RCBO DS202CR	ALL	Decamethylcyclopentasiloxane [D5]	541-02-6	0,1	0,5